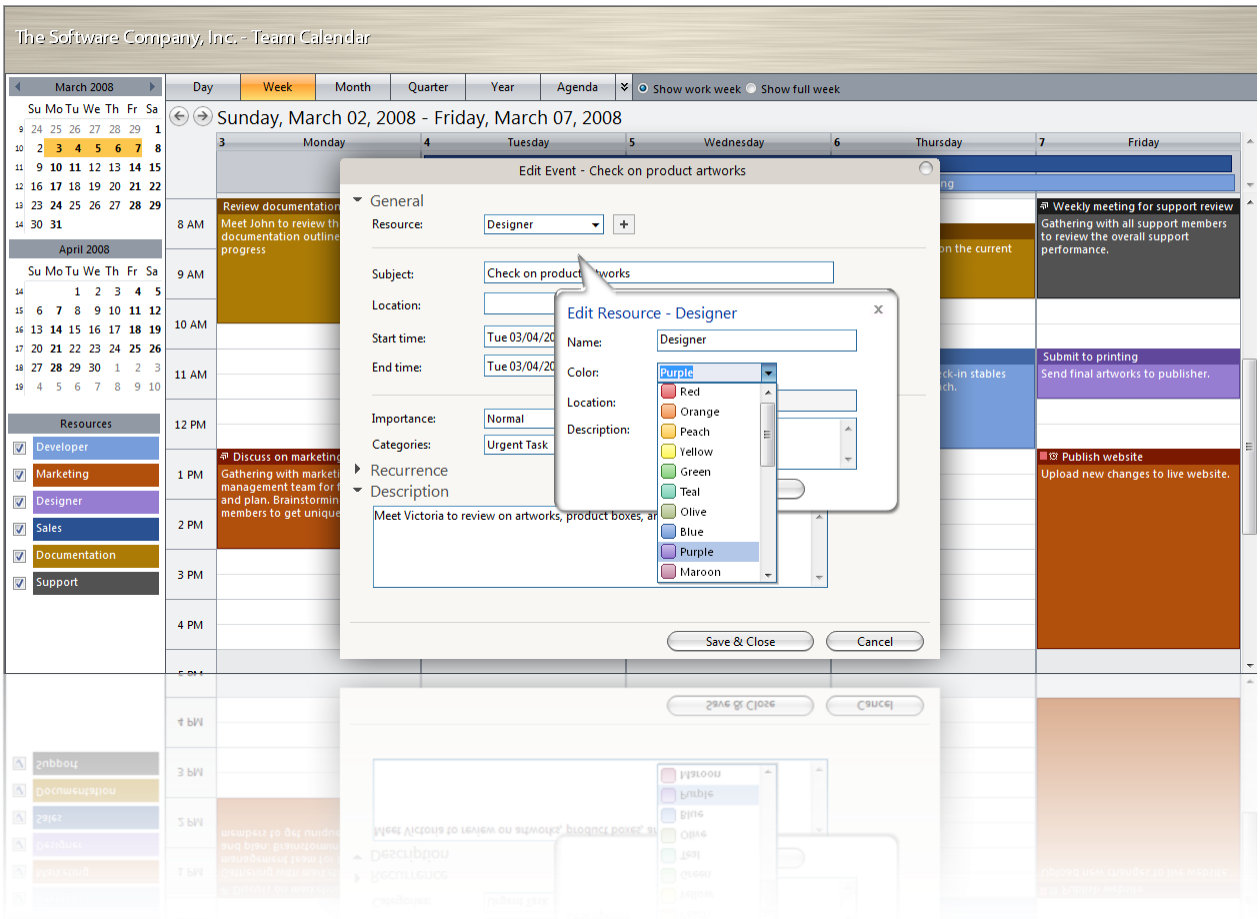
WebScheduler.NET™ White Paper

This white paper discusses the new innovation, technology, as well as features and concepts of WebScheduler.NET™

Overview



Intersoft WebScheduler.NET™ is designed for *ease-of-use* and *out-of-the-box* Scheduling experience, yet providing advanced level of customization and innovative features. WebScheduler.NET™ allows you to build professional calendaring and scheduling application with very minimal efforts and time.

You can create a fully functional Scheduling application that similar to Microsoft Outlook 2007® with simple drag-drop and several properties set. The calendar and scheduler view is naturally integrated and automatically synchronized as you navigate on. The result is obvious – hassles free Scheduling development, significantly reduced complexity with out-of-the-box integration and advanced feature-sets.

WebScheduler.NET™ combines the best of industry's Scheduling features and Intersoft's own unique features such as SplitView mode and AgendaView mode. One of the key features of Intersoft's WebScheduler is its built-in six Scheduler Views – from Day, Week to Year – while other similar components commonly provide only four views.

WebScheduler.NET™ extensively takes advantage of FlyPostBack™ (the Intersoft's proprietary AJAX technology) to deliver high performance and responsive user experience. The TripleLoad™ feature – a unique load-on-demand mechanism invented for WebScheduler – enables end users to switch between several views instantly. The overall experience while navigating different date or month is almost seamless – as raw data is retrieved asynchronously and perform smart data fetching for nearest view.

Several key features and unique innovations of WebScheduler:

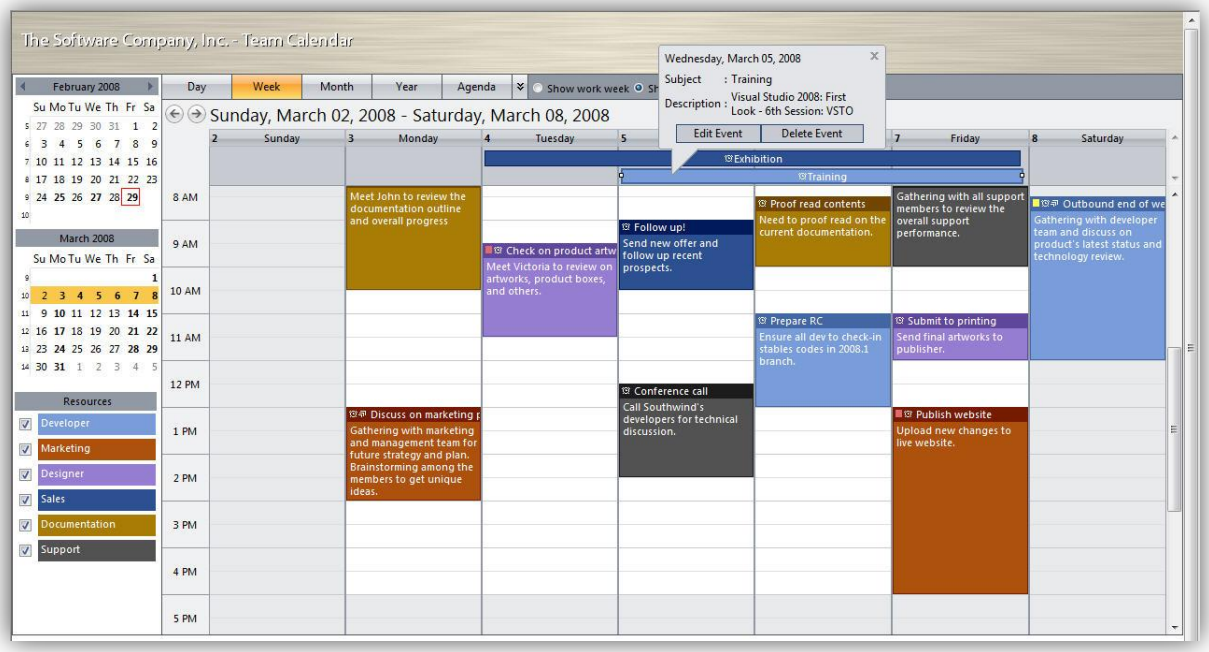
- Hassles free development with built-in calendar and integrated scheduler views.
- Supports 6 Scheduler Views as well as defining your own Custom View.
- Out-of-the-box data editing and manipulation with Google-style Callout form.
- Advanced two-ways data binding with flexible database structure support.
- All textual elements related to Calendar are fully localizable to any cultures supported by .NET.
- Innovative AgendaView™.
- Over dozens of customizable styles and hundreds of customizable behaviors.

Features Highlight

WebScheduler.NET™ is Intersoft's flagship product in Calendaring, Scheduling and Planning functionality, offering over hundreds of advanced features and numerous unique innovations designated for enterprise-grade Scheduling application.

State-of-the-Art Rendering and Appealing User Interface

WebScheduler.NET is the world's first Calendaring and Scheduling component for ASP.NET that provide the deepest details of visual interface which processed with high performance, state-of-the-art rendering architecture.



As illustrated in the above screenshot, WebScheduler provides you with elegant and minimalist styles to enhance user experience while working with the Scheduling application.

WebScheduler comes with detailed visual elements to bring you the most sophisticated Scheduling functions, such as:

- Calendar with built-in Expandable/Collapsible function. The Calendar provides comprehensive visual details, such as Orange colored highlight to indicate the current active Scheduler view and bold effect to indicate days which have more than one event. The Calendar also gives you visual hint for holidays and inactive days.
- Scheduler with built-in Back and Forward (navigation) function. The Scheduler includes every visual detail with such sophisticated styling to deliver visually appealing Scheduling functionality. Notice that every cell is accurately separated with proper border lines and color. The Scheduler contains All Day Event zone, Hour zone, Day zone, Header zone and Event zone.

- The Resources list allows you to conveniently show or hide a set of events that belong to that resource with a simple click. The resources will be refreshed in real-time fraction, without any callback operation.
- The built-in Callout facilitates the user interface to show more details and information about an event. With the Callout visual interface, user can conveniently discover the event's information in smooth and rich look and feel. The Callout interface is also extensively used in many other scenarios such as in New Event action.
- The View Navigator enables you to switch between views simply with a mouse click. More actions related to the Scheduler functionality are also available by clicking on the down arrow in the View Navigator.

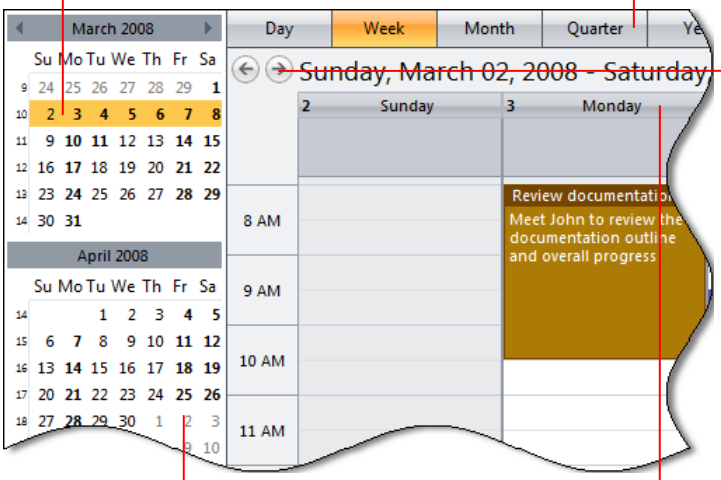
Natural Calendaring and Scheduling Integration

Unlike many other similar components, WebScheduler doesn't require you to write any single line of codes to perform synchronization between the Calendar and the Scheduler, and therefore significantly increases developer's productivity.

You can click anywhere on the calendar day to navigate the Scheduler view.

When you change View mode, the Calendar will be automatically synchronized with appropriate highlighting and selection.

Back and Forward button will perform navigation according to selected view.



Previous and Next button in Scheduler view lets you perform navigation using the same pattern of current view. Eg, in Week view, the Next button will navigate you to next week.

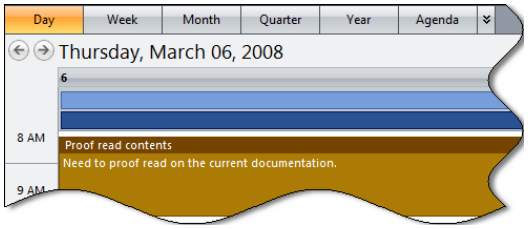
When you click outbound days, the Calendar will automatically activate the appropriate month view.

Click on day header to automatically navigate to that day in Day View mode.

Includes 6 Built-in Scheduler View

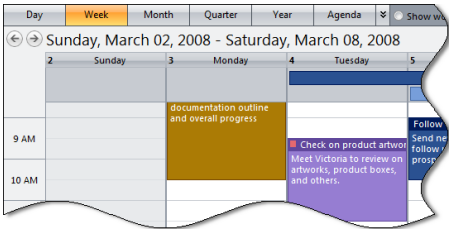
Intersoft's WebScheduler.NET™ is the industry's first Scheduling component providing six built-in view modes. In addition to the standard "Day, Week and Month" views, WebScheduler provides three additional innovative views.

Day View



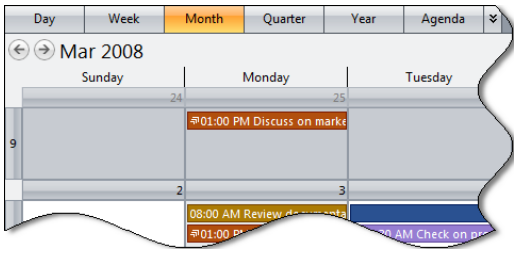
The Day view lists your "All Day", Recurring and Standard Events based on the Start Hour and Duration.

Week View



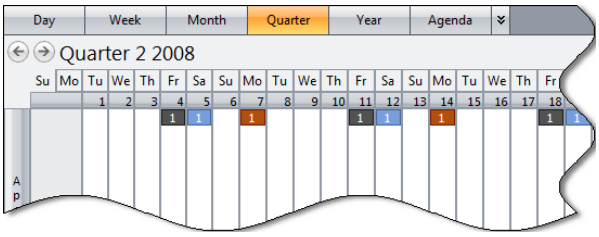
The Week view displays all the week days in the selected date range. You can choose to show between full week or work week in the Scheduler's interface.

Month View



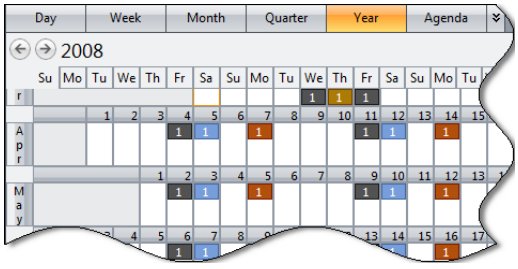
The Month view lists your events in a month range. Similar to Day and Week view, you can perform editing, move the event around and create new event directly from the interface.

Quarter View



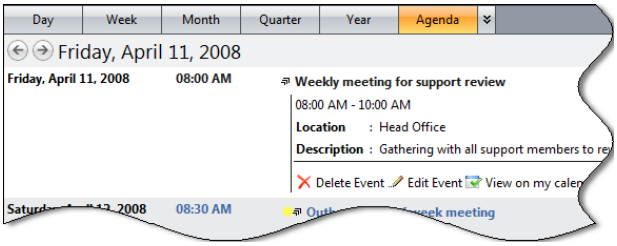
The Quarter view is similar to the Year view, except it only displays 3 months in the row. It is designed to give you a quick look on your events in quarterly range.

Year View



The Year view is designed to give you an instant overview of your events in a year. It displays the number of events inside the day cell and colored according to the resource color. You can hover to the event to see the event's description.

Agenda View

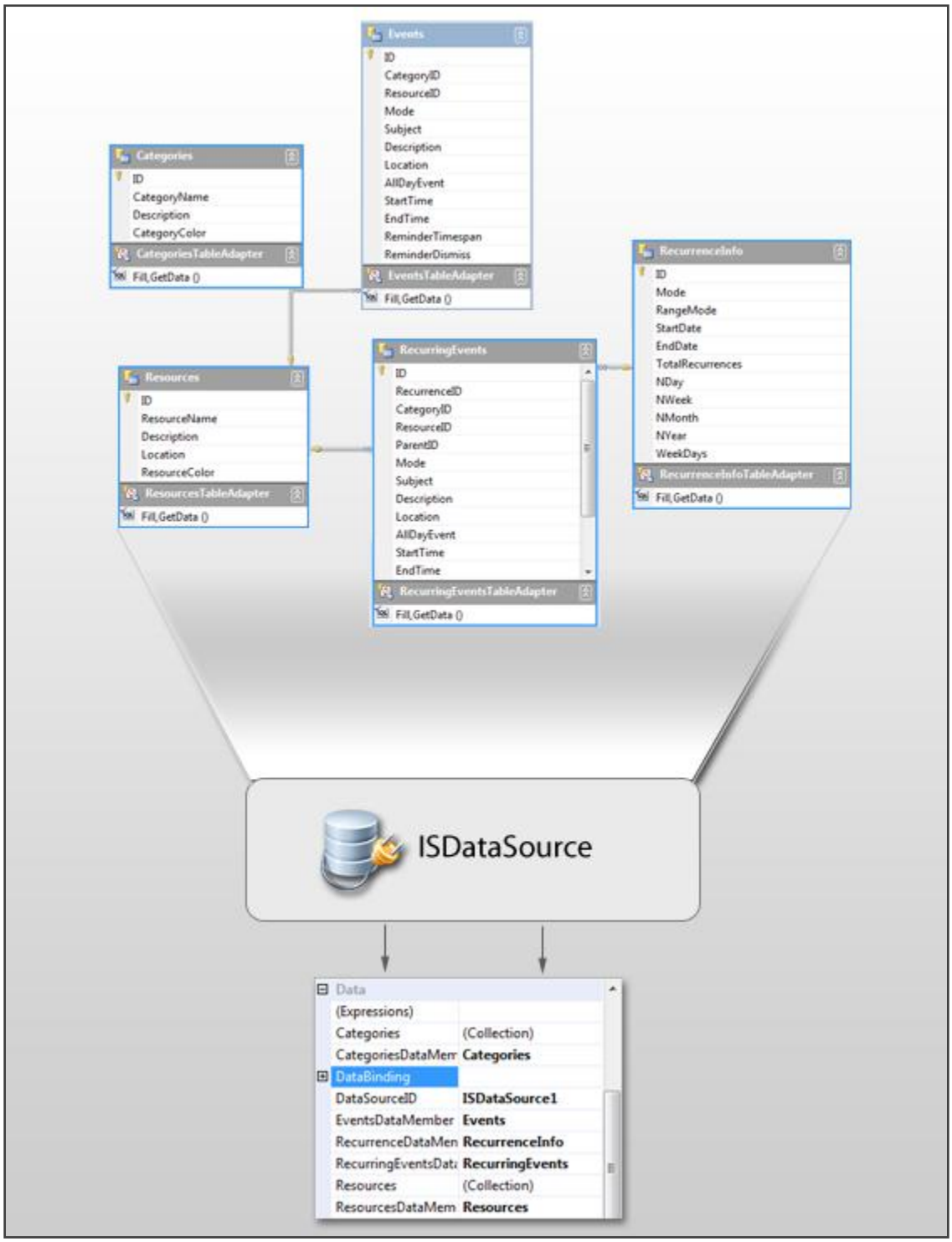


The Agenda view is a unique and innovative mode that allows you to view your events in personalized agenda listing. Your events will be automatically sorted and displayed starting from the Selected Date.

You can also customize which views that you would like to enable in WebScheduler. For instance, you may want to restrict WebScheduler to display only Day and Week view. The View settings are available in ViewSettings object, and each View has its own object such as QuarterViewSettings, YearViewSettings and so on.

Elegant Databinding Architecture

Intersoft's WebScheduler.NET is designed to use multiple-table databinding architecture to deliver a more robust and elegant database design. The databinding architecture in WebScheduler is one of the most important aspects in addition to user experience and functions, which allows you to have greater flexibility and extensibility in your database structure.



As shown in the above illustration, WebScheduler integrates natively into ISDataSource control (Intersoft's flagship datasource control) to provide you with multiple tables binding capability.

With ISDataSource, the WebScheduler databinding experience is almost seamless and codeless. You simply need to connect the **WebScheduler** to an instance of **ISDataSource** through its *DataSourceID* control. Once connected, the data members will automatically be available in the dropdown selection, enabling you to bind the data member quickly with simply a mouse click.

The databinding in WebScheduler consisted of 5 fundamental tables. All these tables are required to be bound in order to take advantage of all WebScheduler functionality.

- **Categories**. This datamember includes binding to Categories-specific fields, such as the CategoryName, CategoryColor, etc – which is linked to **Events** table.
- **Events**. This datamember is the core member which includes binding to Events fields, such as the event's Subject, Description, Location, StartTime, EndTime and so on.
- **Recurring Events**. This datamember is required if you would like to take advantage of recurring events functionality in WebScheduler. This datamember includes binding to core recurring events fields.
- **Recurrence Info**. Similar to Recurring Events, this datamember is required to enable recurring events functionality in WebScheduler.
- **Resources**. This datamember is required if you would like to take advantage of multiple resources feature of WebScheduler. A resource contains a collection of events, which determine the main color of the events.

Despite the advanced databinding architecture as described above, WebScheduler can also be used for simpler scenario. In the most basic Scheduling functionality, you will need to bind only the **Events** table.

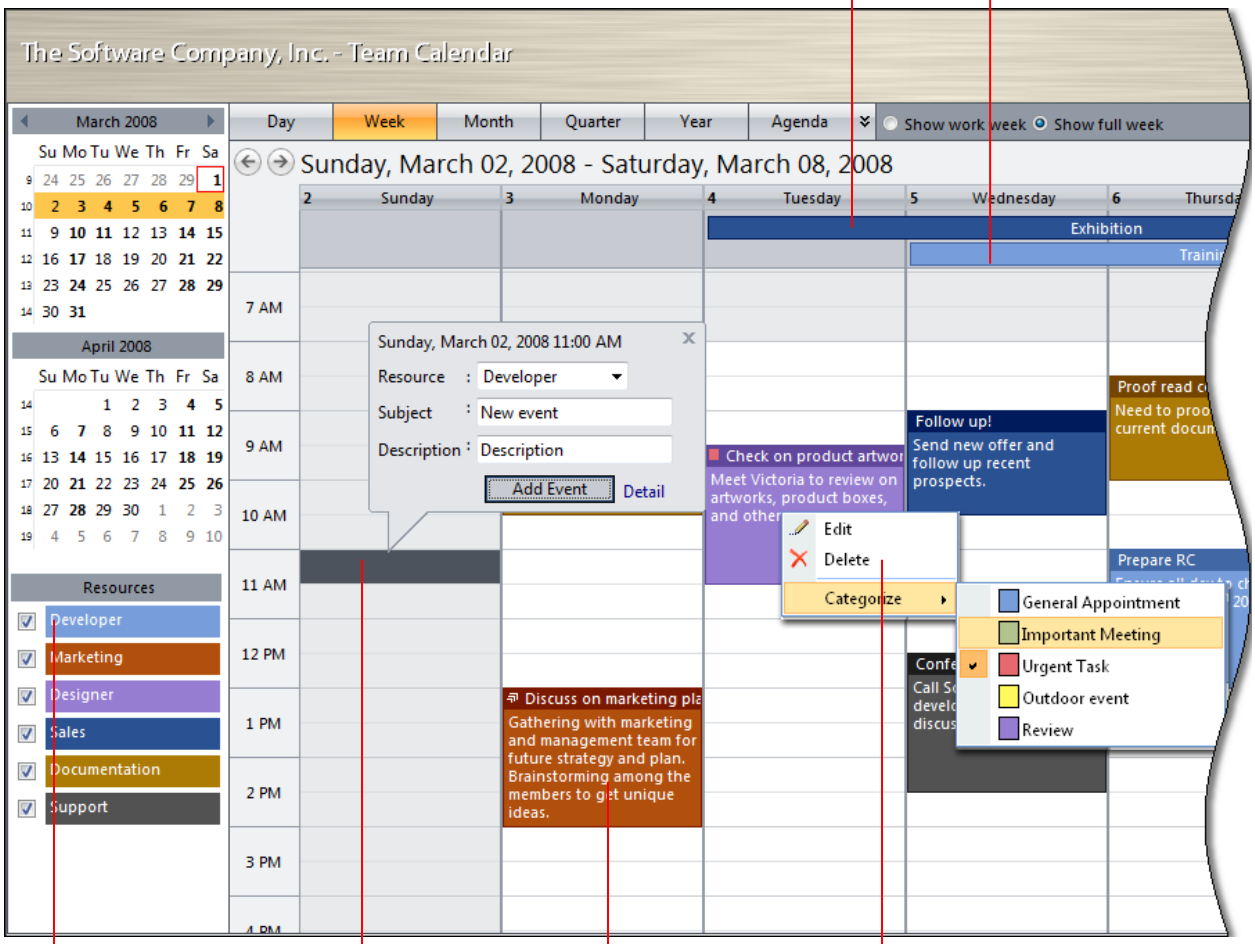
When the other tables are not bound, the related features will be gracefully degraded. For instance, if Categories datamember is not bound, you will not be able to specify Category in the Editing form. If Recurring Events datamember is not bound, then you will not be able to display or create a new recurring event, and so on.

For more details about WebScheduler's databinding concept, please read **Databinding Concepts** topic.

Superior User Experience

WebScheduler.NET™ includes only the best and the most appealing design for user interface and user experience. Take a look at the following image for more details.

In addition to the normal event, you can also perform single click or right click on All Day event, Switch Day event, and other type of events in this area.



Easily check or uncheck a resource to show or hide the events related to the resource.

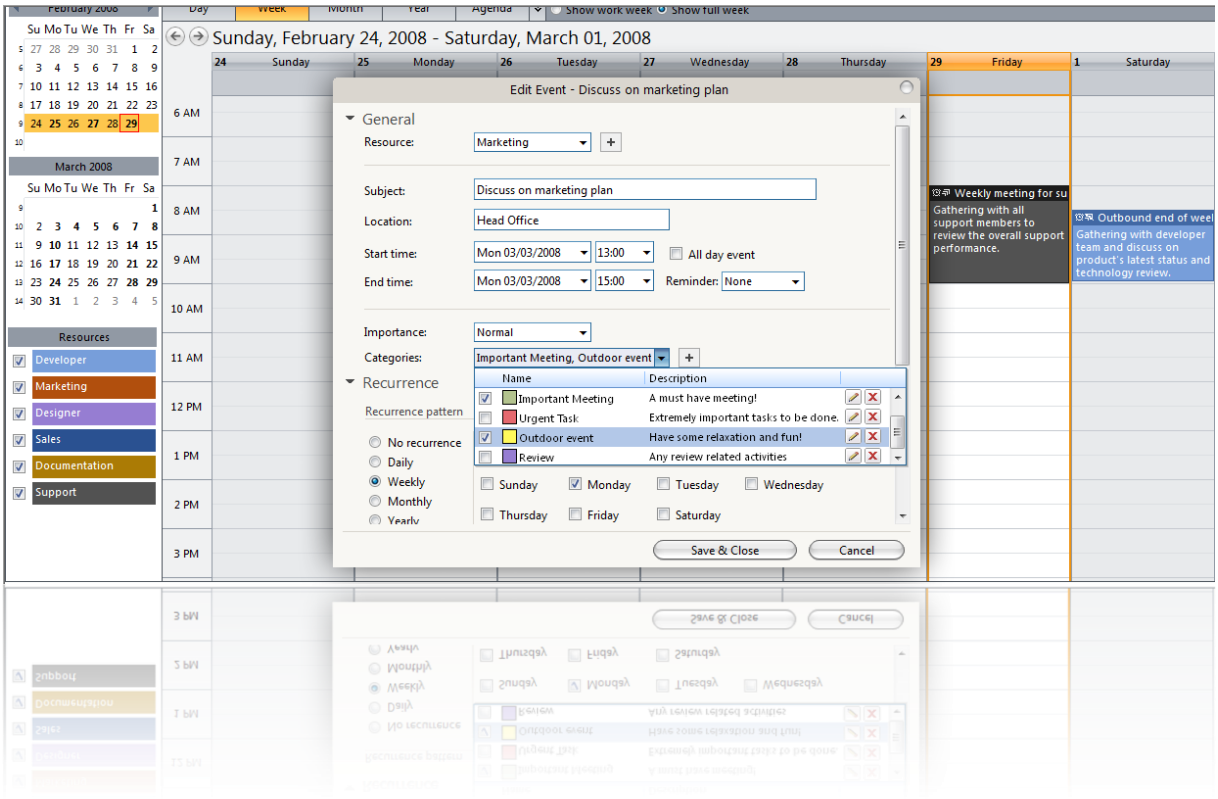
*Click on an empty hour area and the **CallOut** interface will appear to let you conveniently add new event.*

*Click on an existing event and more information about the event will be displayed in **CallOut** interface.*

Right click to an existing event to display context menu. The menu items will be available according to the event's context and object type.

Out-of-the-box Editing Experience

Intersoft WebScheduler.NET™ does not come only with beautiful user interface and elegant databinding architecture; it also comes with built-in Editing Webform which takes advantage of all WebScheduler functionality such as Resource selection, multiple Categories, as well as Recurrence editing.



WebScheduler's Editing Form is entirely powered by the company's flagship WebUI Studio.NET components to deliver the most sophisticated user interface for editing experience. From the design, look and feel perspective, WebScheduler's Editing Form sports a very unique and innovative neutral theme which dramatically enhances user experience. By default, it casted deep alpha blended drop-shadow to strengthen the focus of the editing dialog box and its features.

WebScheduler's Editing Form adopts "open architecture" model, which means you can edit the Form and customize it according to your needs.

The key objectives of the "open architecture" Editing Form is:

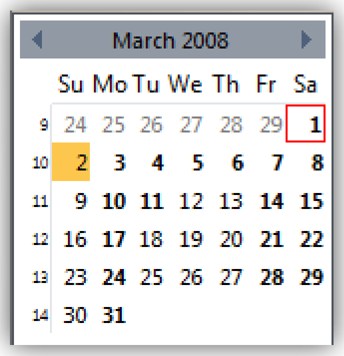
- Enable you to conveniently customize the styles, appearance, and layout of the Editing Form to suit your needs, as long as the controls and ID are not modified.
- Enable you to easily localize the textual elements used in the Form.
- Enable you to add more fields and custom validations according to your business scenario.
- Enable you to add more controls and possibility to use other third party controls in the Form.
- Enable you to control and customize the behaviors of existing controls, for example, disable an input field.

Advanced Calendaring Function

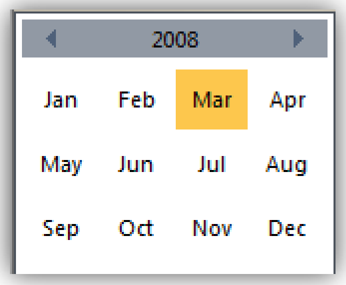
WebScheduler.NET™ won't be a breakthrough Scheduling component without an advanced Calendaring functionality. The Calendar is one of the fundamental subcomponent of WebScheduler which play important roles in the overall features such as navigation, view highlighting and selection.

The Calendar is adopting Vista style behavior for view range selection. You can click on the calendar's header to change the view to Month selection, and click one more time to change the view to Year selection.

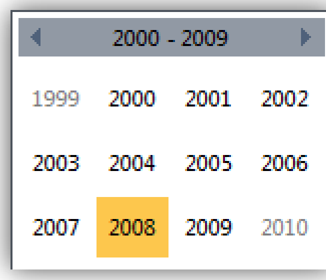
Initial selection mode.



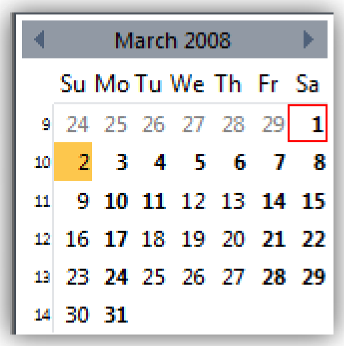
When day header is clicked for first time, month selection will be activated.

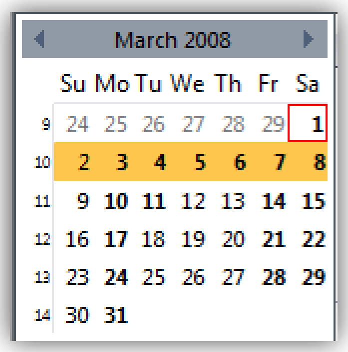


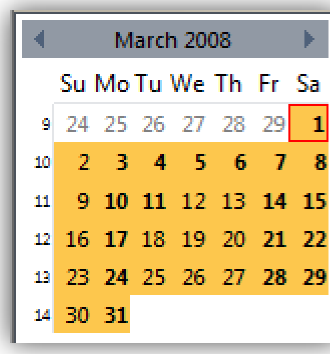
When day header is clicked for second time, month selection will be activated.

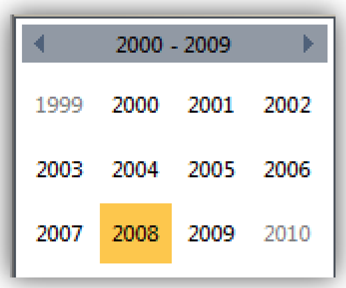


The Calendar also intelligently renders and behaves differently according to the active View mode of the WebScheduler in order to makes more sense for the overall viewing experience.





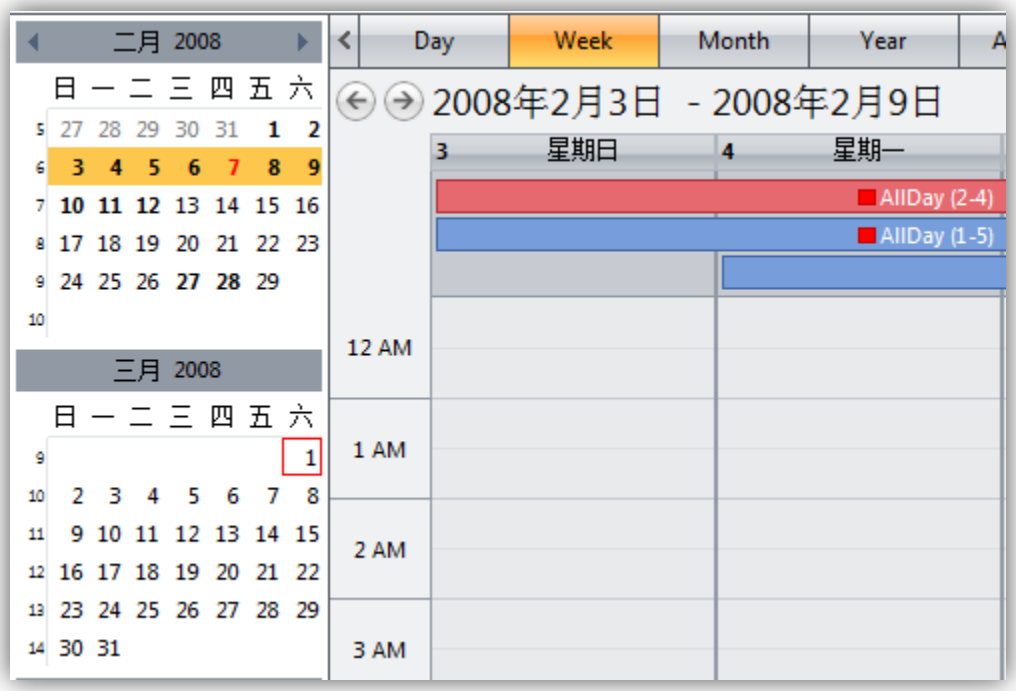




Starting from the top left to bottom right is the calendar highlight mode in Day, Week, Month, Quarter and Year view respectively.

In addition to the above behaviors, the Calendar also includes several enterprise-grade features such as:

- Customizable **FirstDayOfWeek**. By default, FirstDayOfWeek is *Sunday*. However, the value might be different in some countries. The Calendar supports any day to be used as FirstDayOfWeek.
- Customizable **FirstWeekOfYear**. The default value is following US Standard, which is *First4DayWeek*. However, in British and some other countries, the standard is different. The Calendar supports 3 options to cover this requirement. The options are *First4DayWeek*, *FirstFullWeek* and *StartsOnJanuary1*.
- Customizable **Culture**. The default value is US English Culture. With this setting, you can use any of the .NET supported culture for the Calendar's culture. The following screenshot demonstrates the WebScheduler which *Culture* is set to *Chinese*.



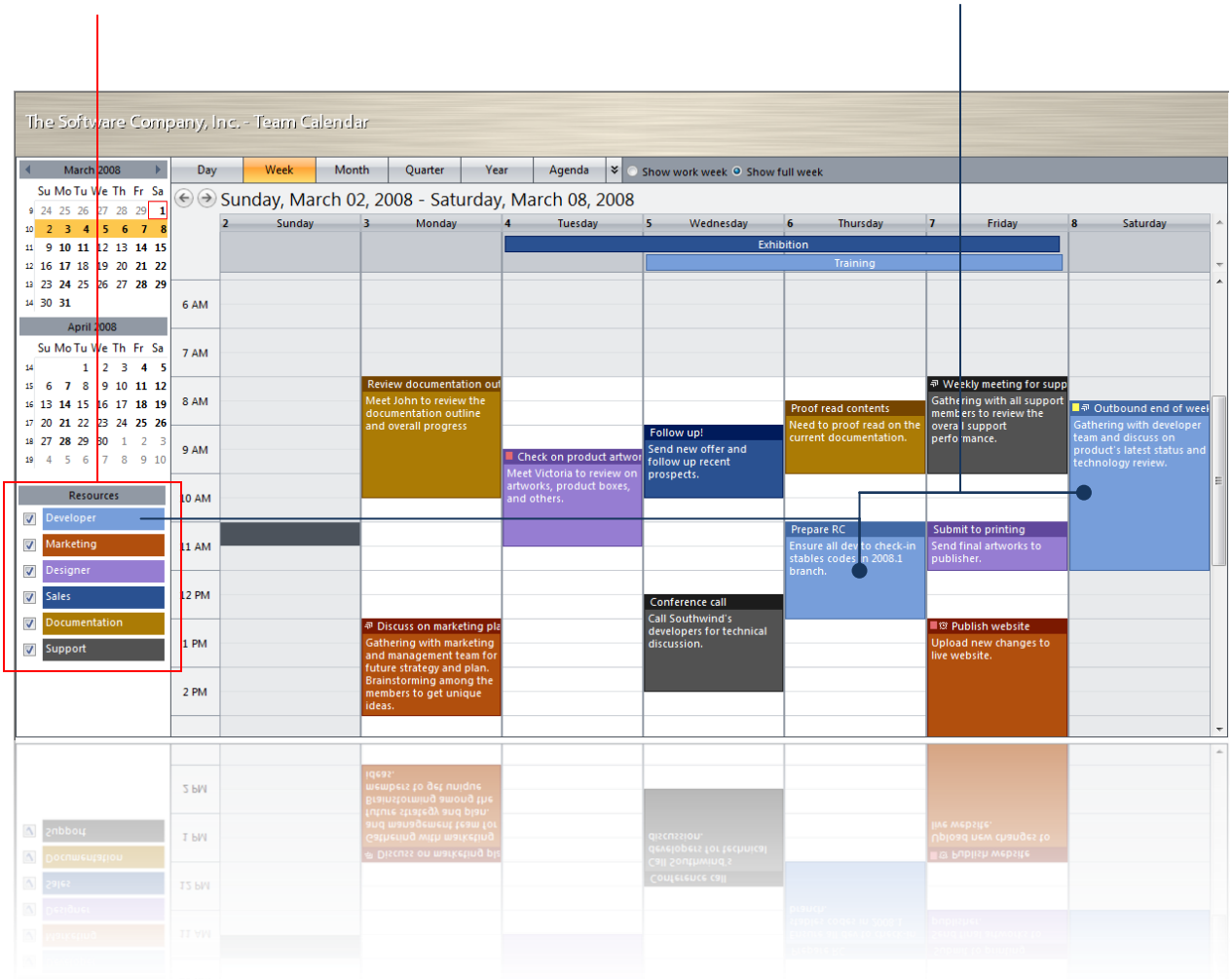
Three of the above advanced features control the core rendering behaviors of the Calendar, such as the week number calculation, day sequence, full week and work week view, and many other features.

Multiple Resources

Intersoft's WebScheduler.NET™ is the one of its kind that comes with built-in multiple resources support, as well as complete *Resources Management* in the Editing Form.

The available resources are listed below the calendar. You can easily check or uncheck a resource to show or hide the events that belong to it.

Each resource is identified with unique color, which is completely customizable by end user. For instance, the events with sky blue color belong to the Developer resource.



The resources can be seen as groups that divide a set of events. The data is not restricted by WebScheduler and can contain anything that suitable to your needs and application scenarios.

For more information about resources, please read **Resources Concept** topic.

Comprehensive Recurrence Support

Intersoft's WebScheduler.NET™ is a breakthrough Scheduling component providing advanced functionality beyond normal Event. WebScheduler lets you create a Standard Event, All Day Event and Switch Day Event.

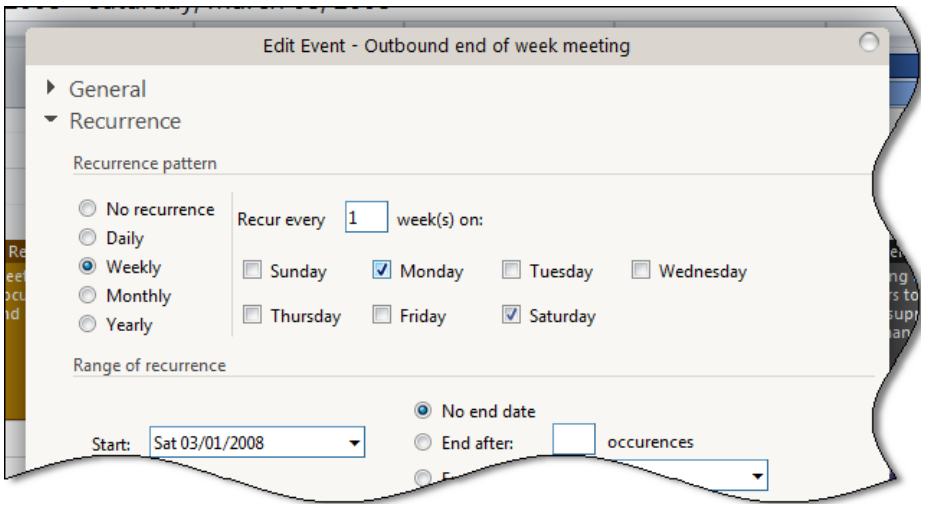
In addition to the above types, WebScheduler also supports a wide range of Recurrence Event functionality, such as ability to create new Recurring Event with various recurrence patterns. WebScheduler is also capable to convert a Standard Event into Recurring Event, and vice versa.

Several key designs and concepts of Recurrence Support in WebScheduler are:

- **Recurrence Pattern**.
  The patterns supported in WebScheduler are:
  - Daily. The options are every [x] days, or every week days.
  - Weekly. The event will recur on every [x] weeks on any specified days.
  - Monthly. The event will recur on day [n] of every [x] months.
  - Yearly. The event will recur on every [month] of day [n].

- **Recurrence Range**.
  The recurrence range specifies when and how long a recurring event should last. WebScheduler provides you with Start date, and several End date options such as:
  - No end date. The event will recur indefinitely.
  - End after [n] occurrences. The event will stop recurring after it has recurred for certain specified number.
  - End by [date]. The event will stop recurring when it reaches the specified date.

- **Recurrence Editing**.
  WebScheduler's sophisticated Editing Form fully supports all Recurrence features that provided by WebScheduler, such as the *Recurrence Pattern* and the *Recurrence Range*.

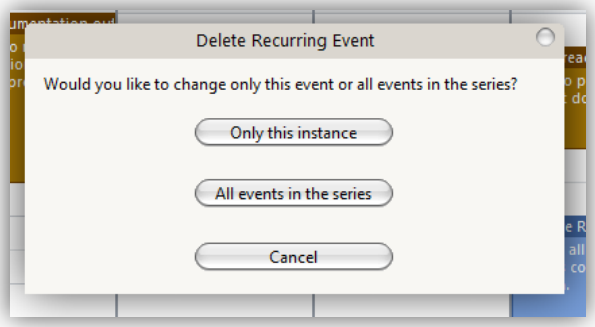


- **Recurrence Exception**.
  By default, Recurrence event is an event that recurring consistently from the specified Start Date by using the configured *Recurrence Pattern* within *Recurrence Range*.
  WebScheduler supports an advanced Recurrence concept called *Recurrence Exception*. Recurrence Exception occurred when an instance of the recurring event is broken from the original recurring series.

  For a simple illustration, let's say a recurring event is configured to run on weekly basis every Friday starting from February 29th, 2008 until April 4th, 2008. In the WebScheduler, this recurring event will be displayed on 02/29/2008, 03/07/2008, 03/14/2008, 03/21/2008, 03/28/2008, and 04/04/2008. When you would like to change an instance of the running recurring event, for instance, on 03/28/2008, then that recurring event will become exception.
  When a recurring event is broken from its original series, it is called *Recurrence Exception*.

  WebScheduler provides intelligent callback to respond the user interaction when a recurring event is going to be modified, such as explained in the following:
  - When a recurring event is resized by using drag and drop, or when it is about to be edited (from either context menu or Callout interface), a prompt dialog box such as shown in the following will appear to ask the feedback from user.

  - When a recurring event is moved by using drag and drop, it will be automatically become an exception.
  - When a recurring event is about to be deleted (from either context menu or Callout interface), a prompt dialog box such as shown in the following will appear to ask the feedback from user.



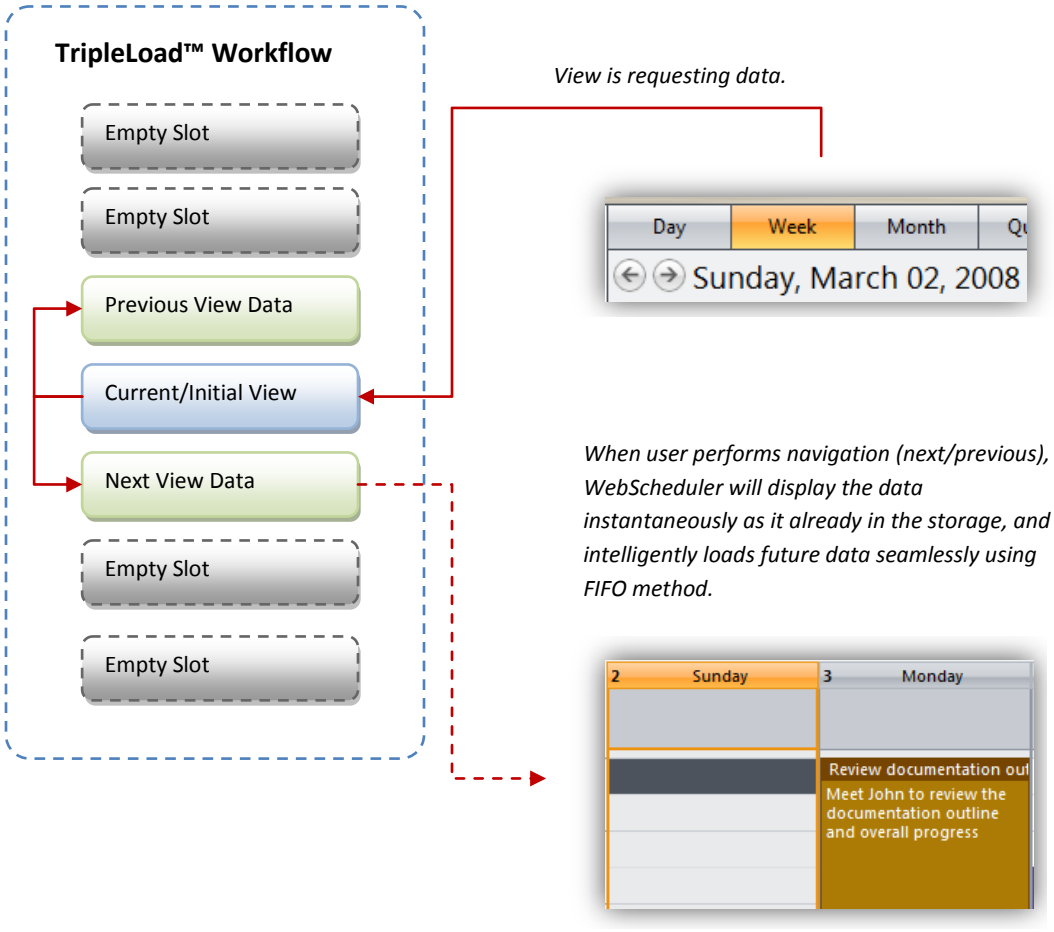
Super-fast View Switching and Navigation with TripleLoad™

Thanks to the state-of-the-art rendering architecture, it enables WebScheduler to load and switch to different view instantly. This is made possible because WebScheduler does not need to perform AJAX operation to perform server-side rendering. Instead, it fetches the aggregated data from database directly which is 70 percent smaller than the usual server-side rendering.

WebScheduler is designed with high performance as one of its key objectives. It invented a new data retrieval mechanism – called TripleLoad™ technology – as its core data management solution.

Combining the high-performance TripleLoad™ technology along with the sophisticated rendering architecture, WebScheduler delivers smooth and confident user experience as it enables user to works and interacts seamlessly with the WebScheduler interface.

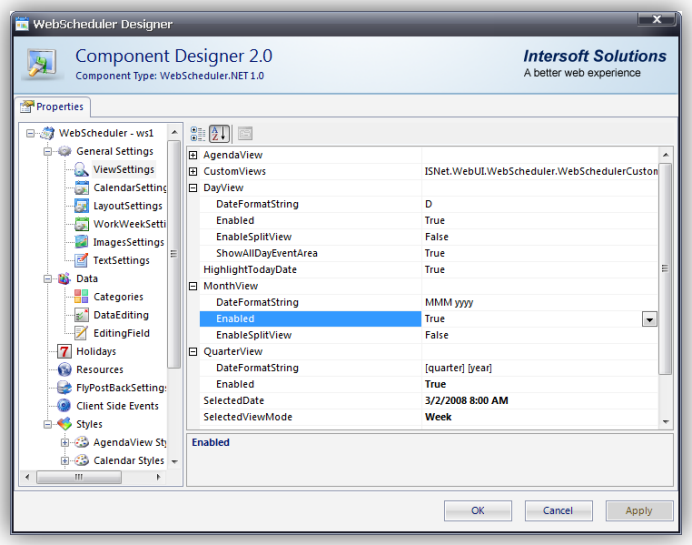
The TripleLoad™ technology itself is taking advantage of *delta-based* caching in order to determine the validity of the loaded data. See the following illustration for better understanding on the TripleLoad™ concept.



TripleLoad™ is a patent-pending technology by Intersoft Solutions and filed in US and International.

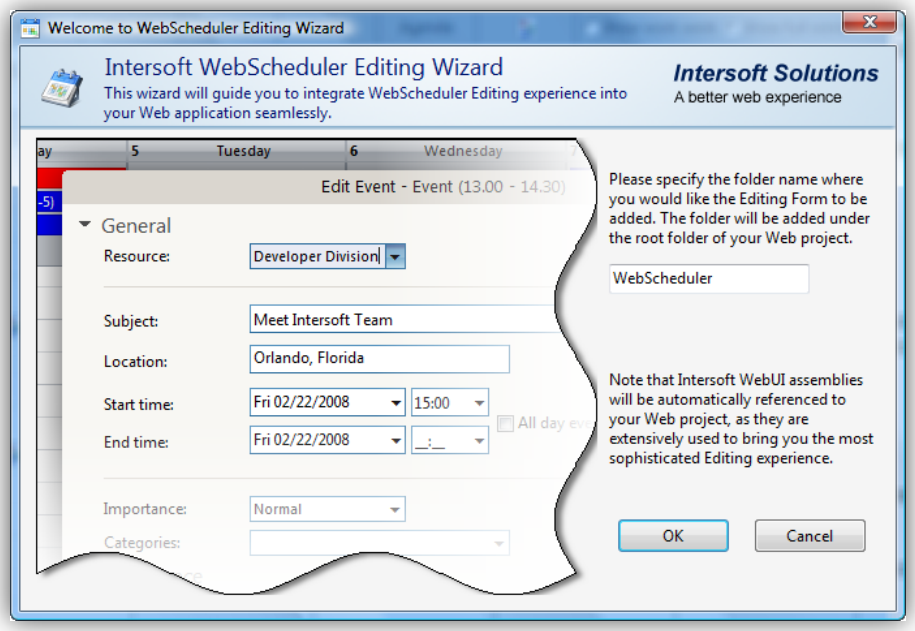
Rich Design-time rendering and deep integration with Visual Studio

WebScheduler supports both Visual Studio® 2005 and Visual Studio® 2008 design time environment. You can conveniently customize and control the WebScheduler's behaviors, styles, and appearance through Intersoft's Component Editor 2.0 – which is part of the WebUI.NET Framework™, the foundation of Intersoft WebUI components.



Time-saving Component Editor significantly increases developer's productivity with quick access and logically categorized settings.

In conjunction with Open Architecture Editing Form, WebScheduler provides a time-saving designer feature to help you easily integrate the WebForm into your existing Web project. This designer feature seamlessly copies the Editing Form source and adds it to your Web project, as well as configuring WebScheduler to use the newly added Editing Form as the source.



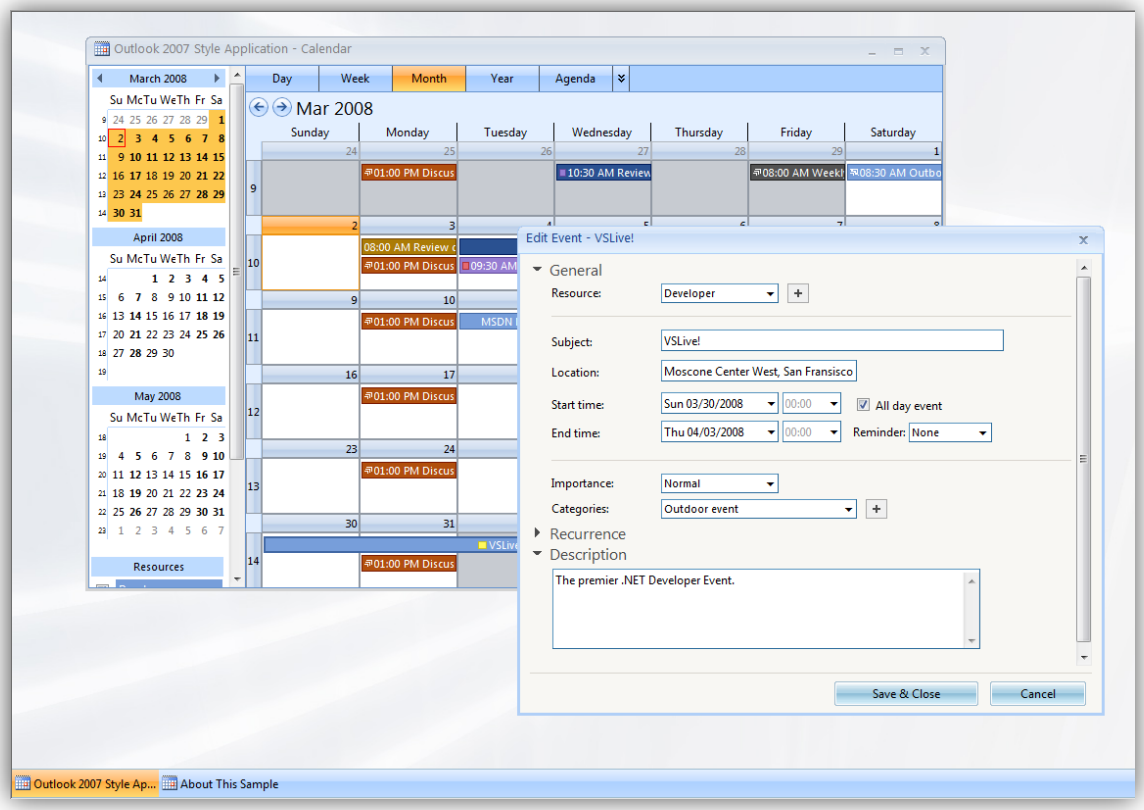
*When you set **AllowEdit** property to **Yes** from the Visual Studio's property window, the Editing Wizard will be launched to help you configure the Editing experience.*

Tight integration with WebDesktop.NET™

Intersoft WebScheduler's user interface and visual experience is built upon the expertise of the company's flagship WebUI technology.

The tight integration between WebScheduler and the rest of WebUI Studio.NET UI components ensures users to have the same and consistent rich user interface that they already become familiar with. At the developer end, this feature also maximizes the value of existing investments on Intersoft's WebUI technology, and at the same time increasing productivity by reducing the steep learning curves.

The following image shows WebScheduler hosted inside WebDesktopManager. The Editing API automatically detects the existence of the WebDesktopManager, and seamlessly integrate into the WebDesktopManager instance. Notice that the Dialog theme as well as the button is using the main WebDesktopManager theme, instead of its own default style.

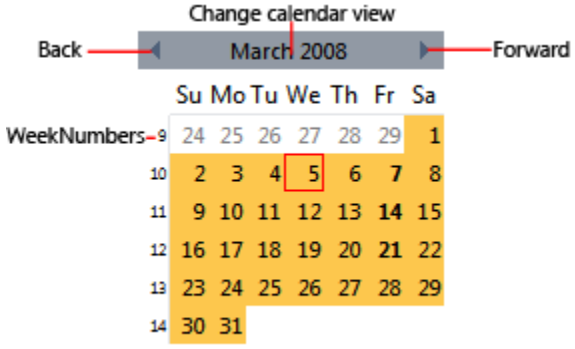


In addition to the styles, you can also notice that the Dialog is naturally integrated into WebDesktopManager. This means that the Dialog can now be moved out from the original page. You can perform moving and resizing as it is a *WebDesktopWindow* object.

Concepts

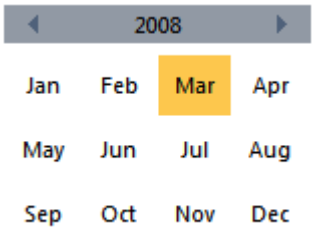
Calendar

- General navigation

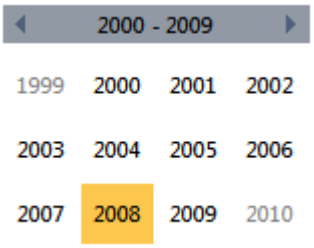


  - Back and forward
    Back and forward button will perform navigation according to the selected view.
  - Change calendar view
    Beside “Month” calendar view, you can change the calendar view by clicking on the calendar header. There are 3 calendar views (“Month”, “Year”, and “YearRange”). By default, if the SelectedViewMode (ViewSettings property) is Day, Week, Month or Agenda then the calendar’s view will be “Month” view. However, if the SelectedViewMode is Quarter, then the calendar’s view will be “Year” and if the SelectedViewMode is Year, the calendar’s view will be “YearRange”. You can change the calendar view by clicking on the calendar header. The exception for clicking the calendar header is when the SelectedViewMode in Quarter and Year view. In Quarter view, you cannot change the calendar’s view to “Month” and in Year view, you cannot change the calendar’s view to “Month” and “Year”.

Month view



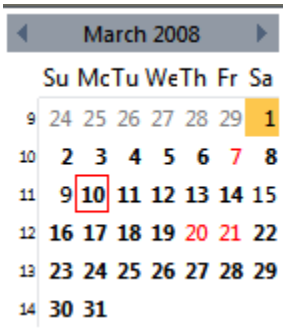
Year view



YearRange view

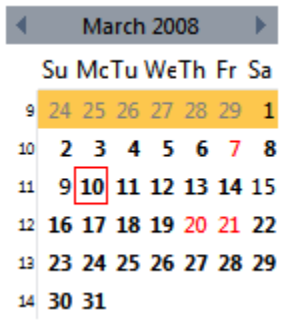
  - Change scheduler view from calendar
    In “Month” calendar view, if you click the calendar’s number. WebScheduler’s view will automatically change to “Day” view.

- Navigation on each WebScheduler's view
  - Day view



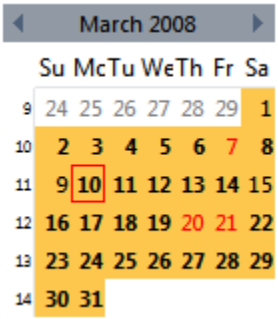
    - Back
      Back calendar button in Day view will navigate to the previous day.
    - Forward
      Forward calendar button in Day view will navigate to the next day.
    - Change calendar view
      Clicking the calendar's header once will change the calendar's view to Year, clicking it twice will change the calendar's view to YearRange view, and the third click will change the calendar's view back to Month view.

  - Week view



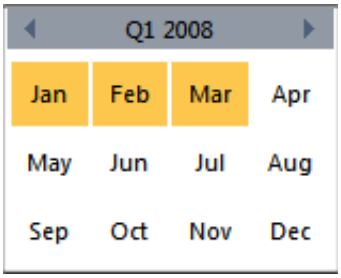
    - Back
      Back calendar button in Week view will navigate to the previous week.
    - Forward
      Forward calendar button in Week view will navigate to the next week.
    - Change calendar view
      Clicking the calendar's header once will change the calendar's view to Year, clicking it twice will change the calendar's view to YearRange view, and the third click will change the calendar's view back to Month view.

- Month view



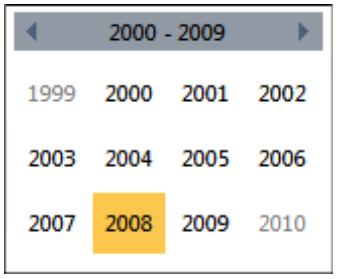
  - Back
    Back calendar button in Month view will navigate to the previous month.
  - Forward
    Forward calendar button in Month view will navigate to the next month.
  - Change calendar view
    Clicking the calendar's header once will change the calendar's view to Year, clicking it twice will change the calendar's view to YearRange view, and the third click will change the calendar's view back to Month view.

- Quarter view



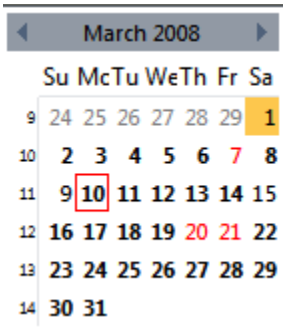
  - Back
    Back calendar button in Quarter view will navigate to the previous quarter.
  - Forward
    Forward calendar button in Quarter view will navigate to the next quarter.
  - Change calendar view
    Clicking the calendar's header once will change the calendar's view to YearRange, and clicking it twice will change the calendar's view back to Year view.

- Year view



  - Back
    Back calendar button will navigate to the previous 10 years.
  - Forward
    Forward calendar button will navigate to the next 10 years.
  - Change calendar view
    In Year view, you cannot change the calendar view.

- Agenda view



  - Back
    Back calendar button will navigate to the previous month.
  - Forward
    Forward calendar button will navigate to the next month.
  - Change calendar view
    Clicking the calendar's header once will change the calendar's view to Year, clicking it twice will change the calendar's view to YearRange view, and the third click will change the calendar's view back to Month view.

- Calendar Features
  - AllowCollapse
    WebScheduler allow you to determine whether or not you want to show the calendar(s) within a single mouse click.
    TODO: calendar's collapse button image and How to
  - FirstDayOfWeek

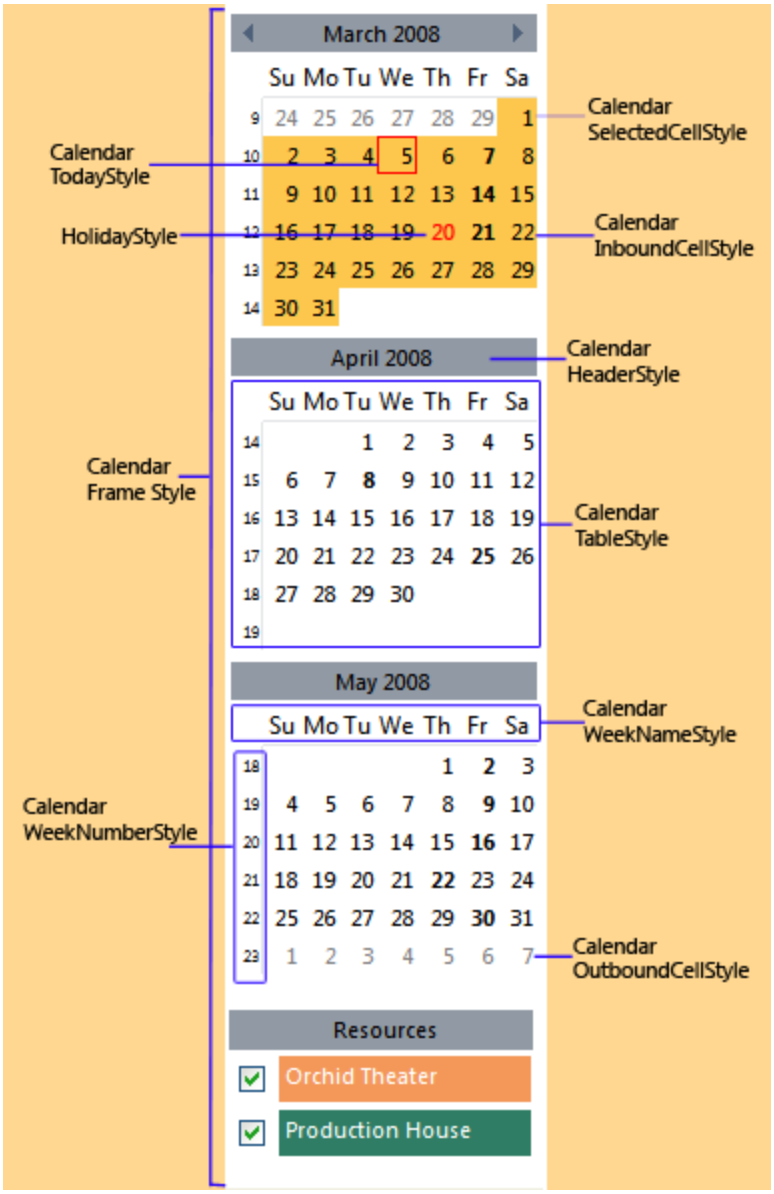
One of the flexibility in WebScheduler's calendar is that you can specify your own first day of week. For example, you want the calendar first day of week is Monday instead of Sunday (the default behavior).
TODO: How to

- FirstWeekOfYear
  This feature is another flexibility of WebScheduler's calendar. You can determine when the first week should be counted. For example, the first week of the year should be January, 1st.
  TODO: How to
- HideCalendarInitially
  You can hide the calendar(s) from WebScheduler. With this property, you can show or hide the calendar on first load and at runtime. In order to achieve this scenario,you need to set HideCalendarInitially to True and AllowCollapse to True in CalendarSettings.
  TODO: How to hide calendar initially
- NumberOfMonthDisplayed
  By default, WebScheduler will show 3 calendars in the view. However, WebScheduler provides a way for you to determine the number of calendars that you wish to display. The maximum number of calendars in WebScheduler are 3.
  TODO: How to
- MarkedDayWithEvents
  WebScheduler provides a friendly and interactive user interface. By looking at the calendars, you will know which day contains an event(s) as it will be marked with bold style.
  TODO: Calendar image with MarkedDayWithEvents = TRUE

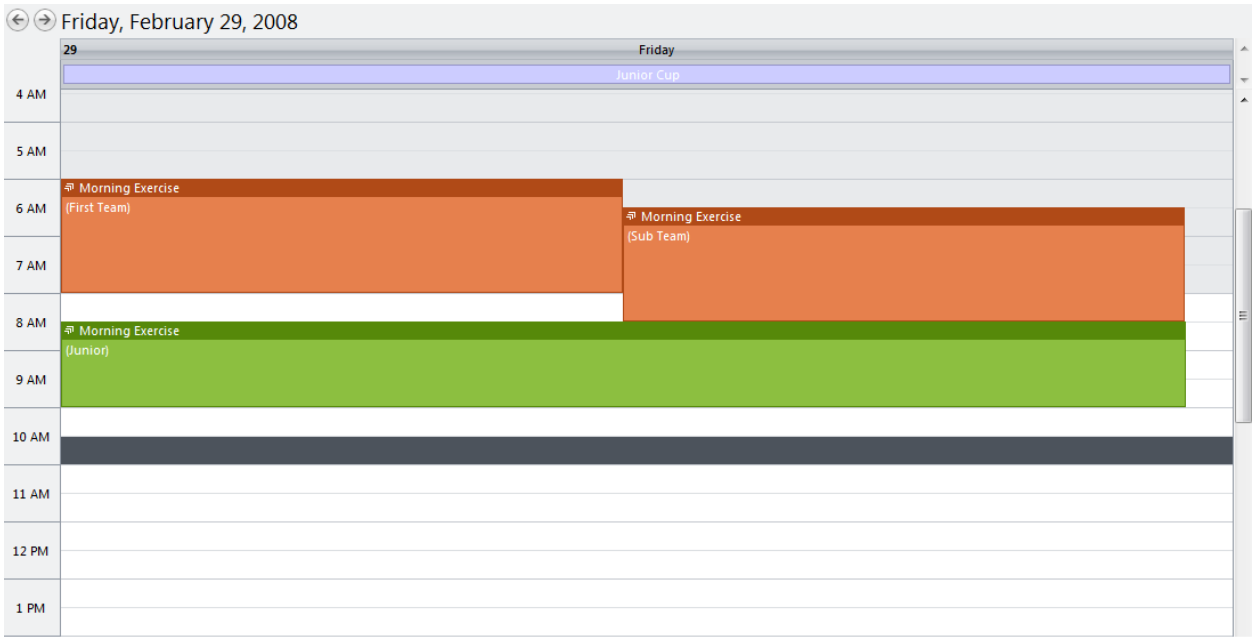
- Holiday
  By default, days will be considered as non-holiday. However, you can specify which day(s) in the calendar(s) that you would mark as holiday in Holidays property (this is a collection). If Holidays is specified then WebScheduler will automatically mark the day(s) as holiday according to the data collection that you have specified in the Holidays.

  Holiday in WebScheduler's calendar will be set with HolidayStyle.
- Styles
  Here are the styles in WebScheduler's Calendar:
  - CalendarFrameStyle
  - CalendarHeaderStyle
  - CalendarInboundCellStyle
  - CalendarOutboundCellStyle
  - CalendarSelectedCellStyle
  - CalendarTableStyle
  - CalendarTodayStyle
  - CalendarWeekNameStyle

- CalendarWeekNumberStyle
- HolidayStyle

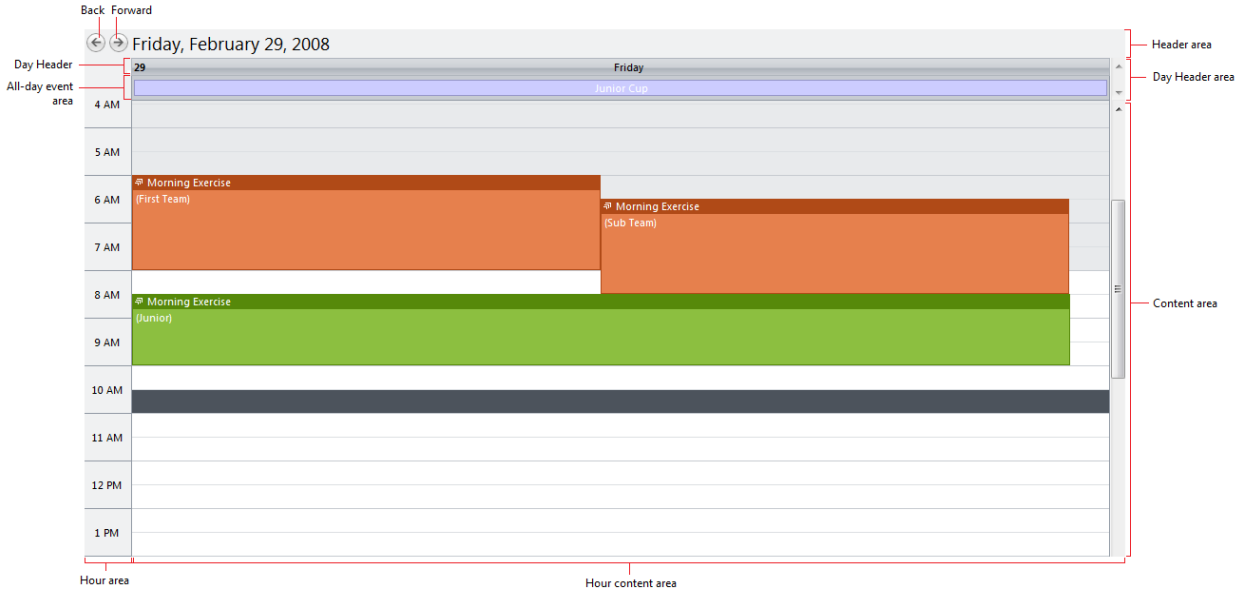


Day View



The day view shows one day at a time.

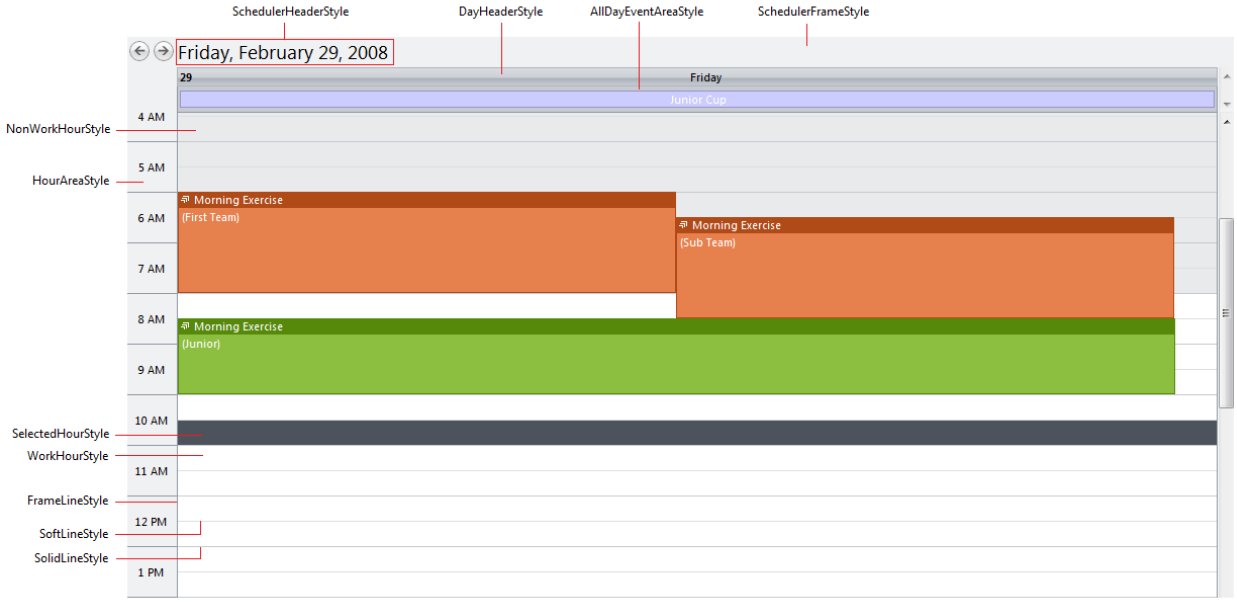
- Day view Layout

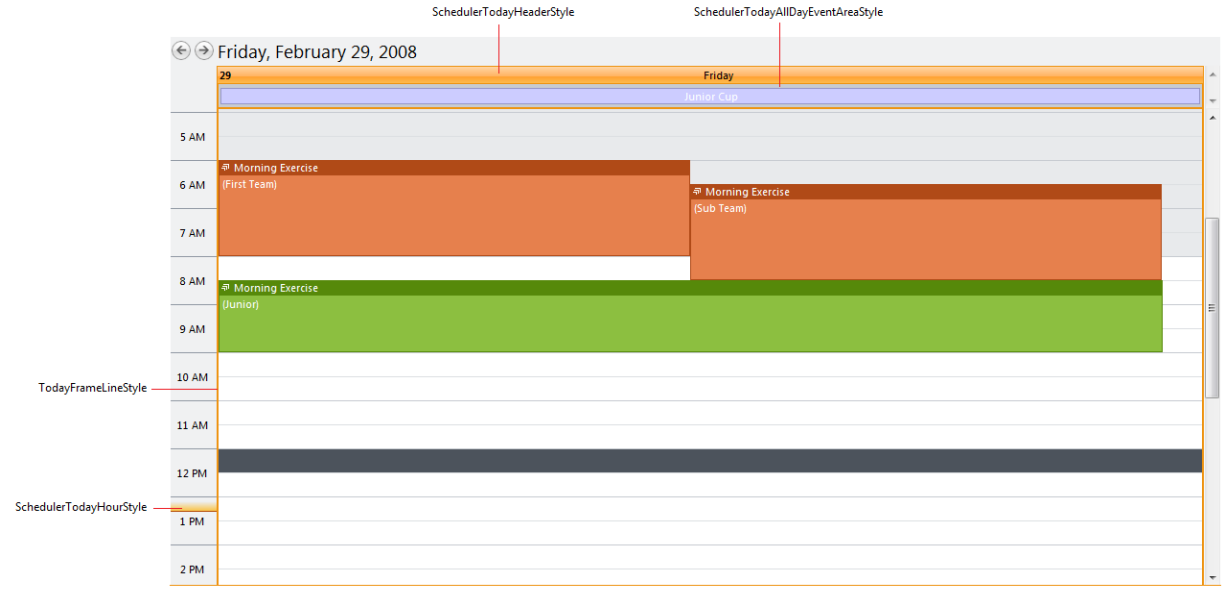


The areas in Day view are:

  - Header area.
    The selected date will be displayed according to the DateFormatString property specified in ViewSettings-DayView category.
  - Day Header area , consists of two section:
    - Day Header
    - All Day Event Area, where the all-day events of the day are displayed. User can easily add an all-day event using the callout that will be displayed when user selects this area. Note that the callout will only be displayed if adding event feature is enabled.
  - Content area
    - Hour area.
      This area is divided into 24 areas which indicate the hour of the area. The hour starts from 12 AM to 11 PM. The time format (12 hour or 24 hour) can be specified in TimeFormat property of ViewSettings category.
    - Hour content area.
      This area is divided into 48 areas that represent 30 minutes time interval area where time-based events are displayed according to its start time and duration. User can easily add a time-based event using the callout that will be displayed when user selects an hour content area. Note that the callout will only be displayed if adding event feature is enabled.
      If work days and work hours are specified, the hour content area will be rendered in different style according to the work hours.

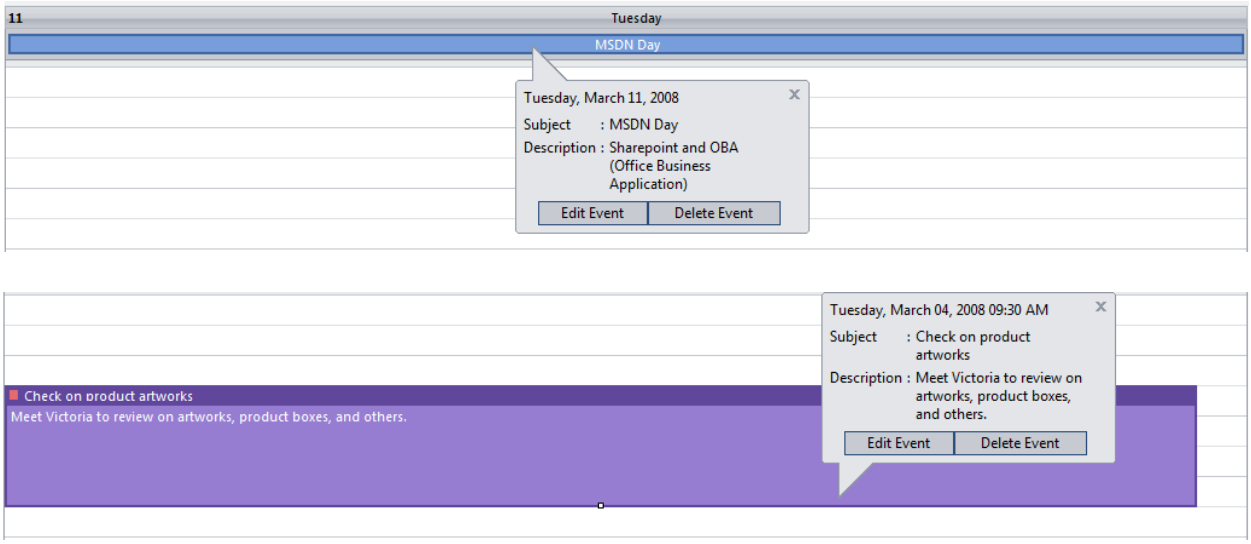
- Day view Styles
  Here are the styles in Day view:
  - SchedulerFrameStyle
  - SchedulerHeaderStyle
  - SchedulerTodayHeaderStyle
  - DayHeaderStyle
  - AllDayEventAreaStyle
  - SchedulerTodayAllDayEventAreaStyle
  - HourAreaStyle
  - GridLineStyle
    - SoftLineStyle
    - SolidLineStyle
    - FrameLineStyle
    - TodayFrameLineStyle
  - WorkHourStyle
  - NonWorkHourStyle
  - SelectedHourStyle
  - SchedulerTodayHourStyle





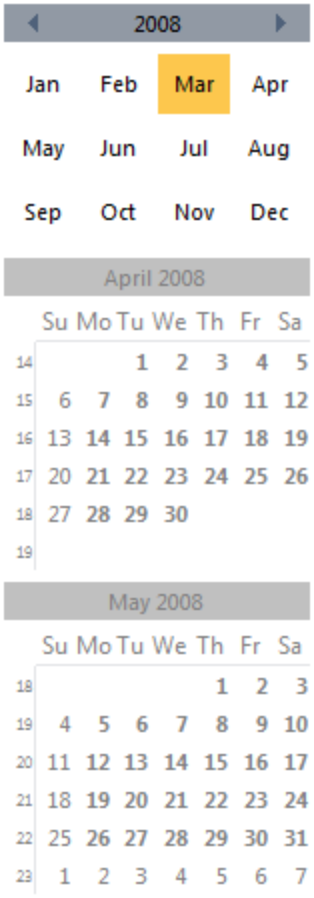
- Day view concept
  To navigate to the next day or previous day, Back and Forward navigation buttons can be used.

  In Day view, only time-based event can be moved and resized. Due to the original concept of Day view where only one day is displayed, all-day events cannot be resized. The resize indicators are not displayed in all-day events, while it is displayed in time-based events. Note that the indicator will be displayed when the resizing and moving feature is enabled.

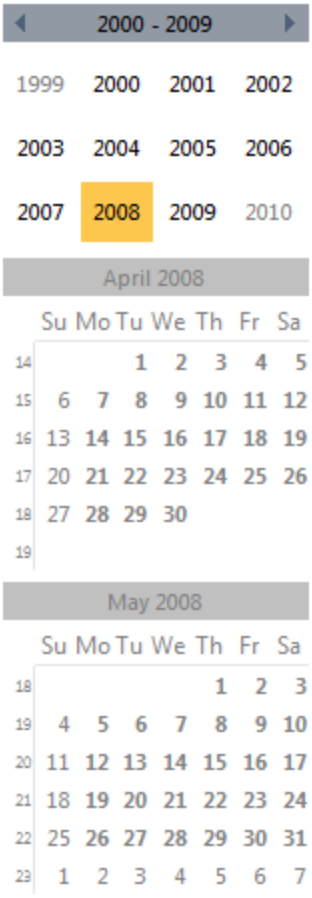


In Day view, the calendar will display Month calendar view. When user chooses a date in Calendar, the scheduler will navigate to the selected date. User can also click the calendar header to view Year and YearRange calendar views to easily navigate and select a date in calendar. User can only view Year and YearRange calendar views in the first calendar. The other calendars will be disabled.

Month calendar view



Year calendar view

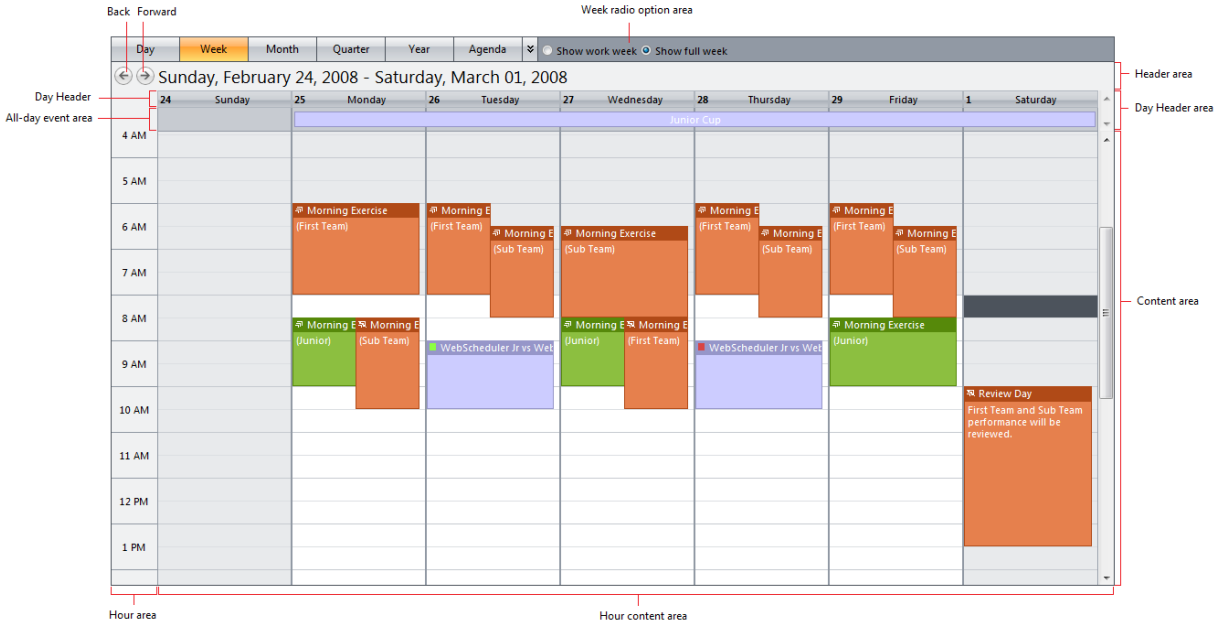


YearRange calendar view

Week View

Week view shows events in weekly period.

- Week view Layout

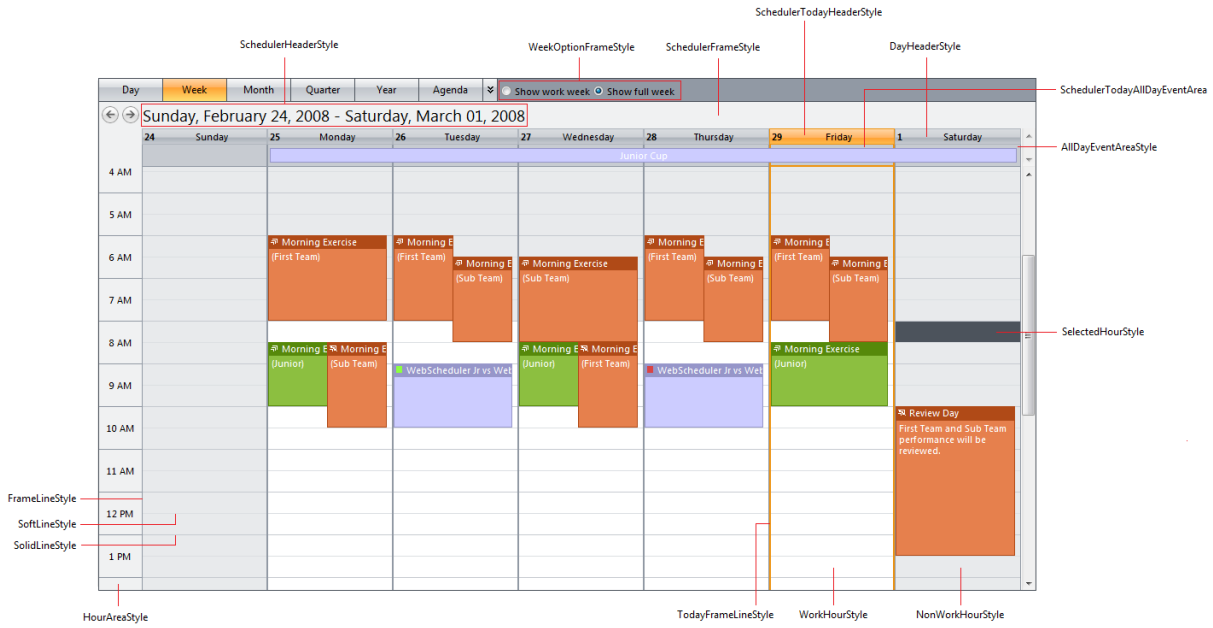


The areas in Day view are:

- Header area.
  The selected date will be displayed according to the DateFormatString property specified in ViewSettings-WeekView category.
- Day Header area , consists of two section:
  - Day Header
  - All Day Event Area, where the all-day events of the day are displayed. User can easily add an all-day event using the callout that will be displayed when user selects this area. Note that the callout will only be displayed if adding event feature is enabled.
- Content area
  - Hour area.
    This area is divided into 24 areas which indicate the hour of the area. The hour starts from 12 AM to 11 PM. The time format (12 hour or 24 hour) can be specified in TimeFormat property of ViewSettings category.
  - Hour content area.
    This area is divided into 48 areas that represent 30 minutes time interval area where time-based events are displayed according to its start time and duration. User can easily add a time-based event using the callout that will be displayed when user selects an hour content area. Note that the callout will

only be displayed if adding event feature is enabled.
If work days and work hours are specified, the hour content area will be rendered in different style according to the work hours.

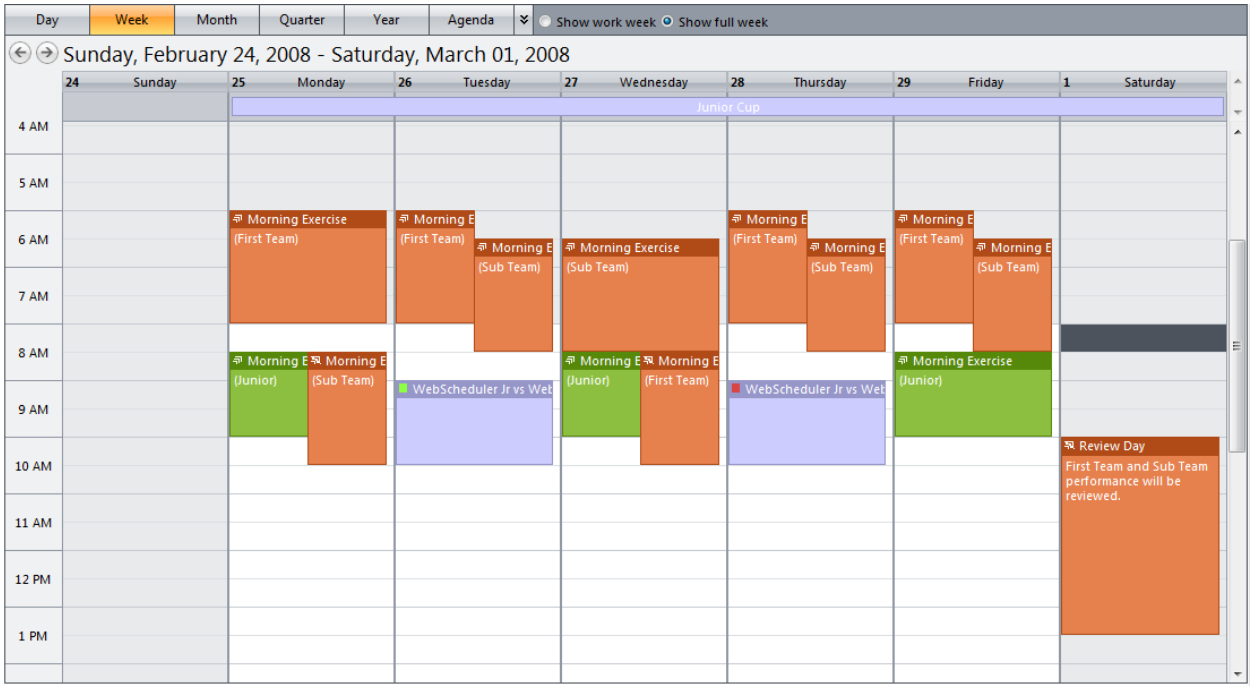
- Week view Styles
  Here are the styles in Week view:
  - SchedulerFrameStyle
  - SchedulerHeaderStyle
  - SchedulerTodayHeaderStyle
  - WeekOptionFrameStyle
  - DayHeaderStyle
  - AllDayEventAreaStyle
  - SchedulerTodayAllDayEventAreaStyle
  - HourAreaStyle
  - GridLineStyle
    - SoftLineStyle
    - SolidLineStyle
    - FrameLineStyle
    - TodayFrameLineStyle
  - WorkHourStyle
  - NonWorkHourStyle
  - SelectedHourStyle
  - SchedulerTodayHourStyle



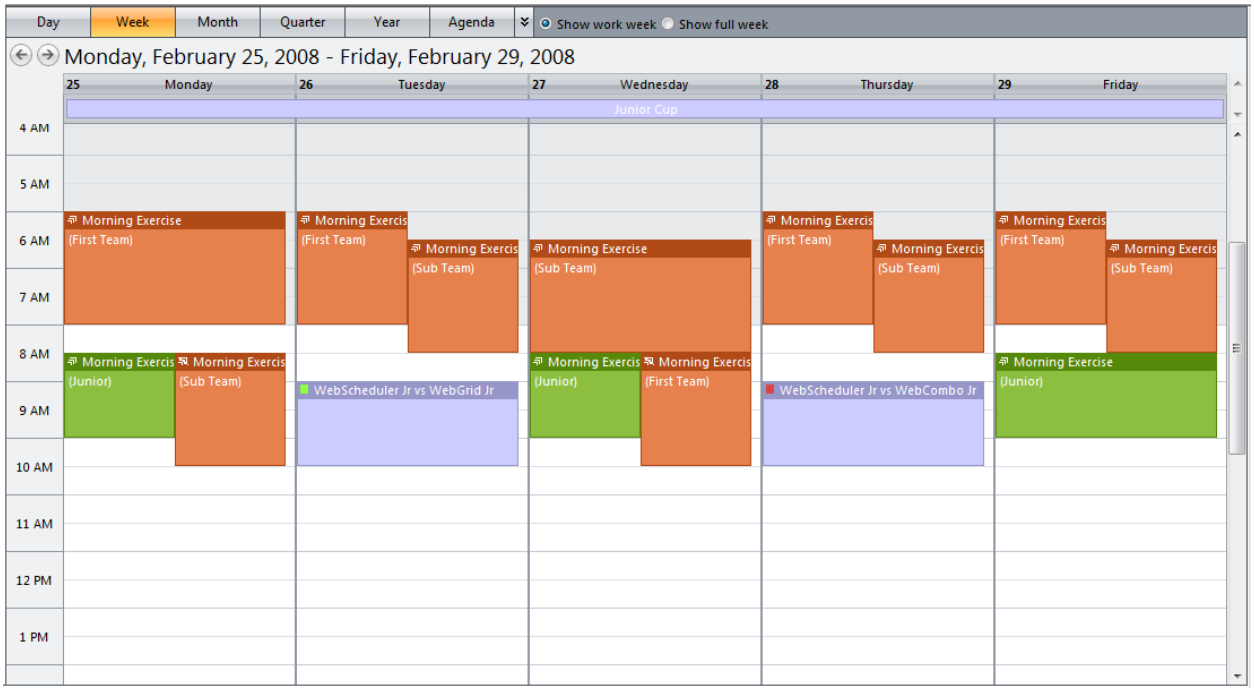
Week view concept

There are two options in Week view: Full week and Work week.

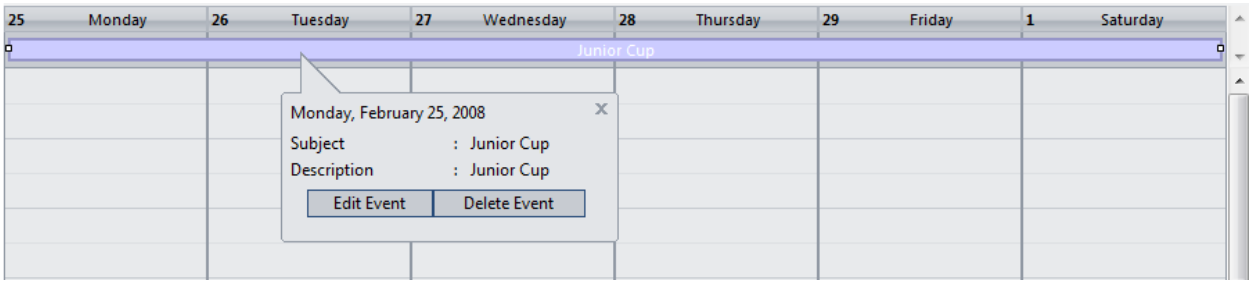
In Full week, user is able to view events in the full seven-day week.

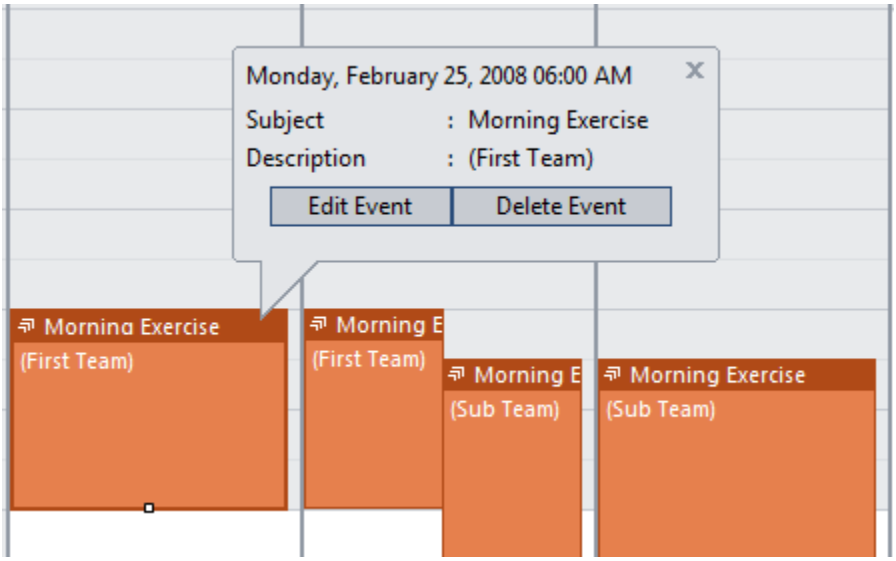


In Work week, only the work days and the related events are displayed. User can choose whether to show work week or full week by clicking the week radio button. The work days can be specified in WorkWeekSettings property.

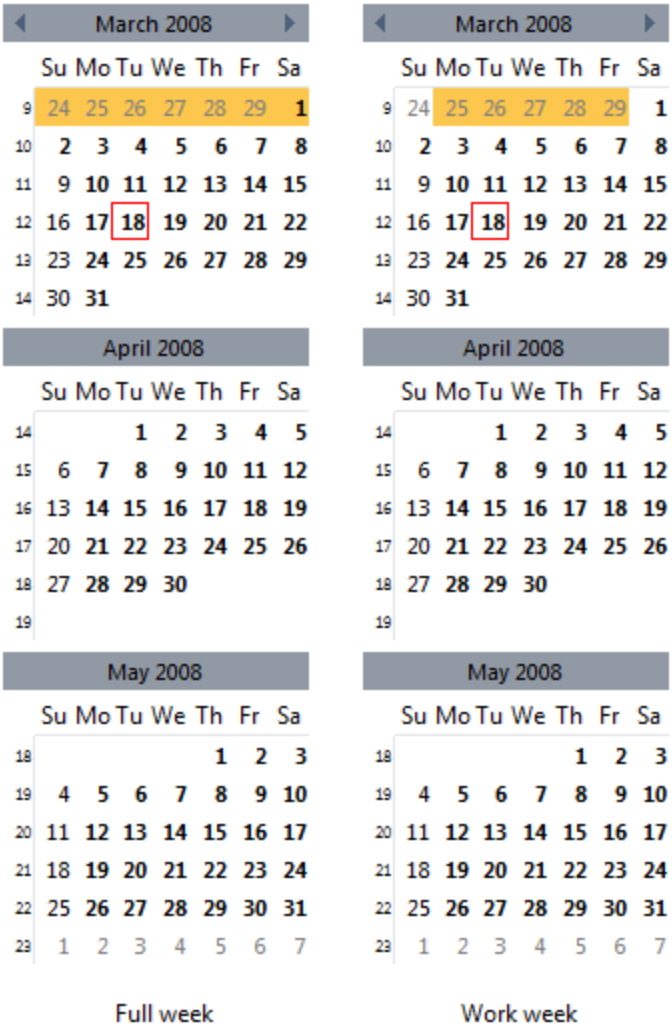


In Week view, only time-based events can be moved. However, both all-day events and time-based events can be resized. The resize indicators of all-day event will be displayed when the event's start date and end date is within the week range. Note that the indicator will be displayed when the resizing and moving feature is enabled.





In Week view, the calendar will display Month calendar view. Unlike Day view, when user selects a date, the week row will be highlighted and the scheduler will navigate to the selected date's week. Note that in Work week, only the work days are highlighted in calendar. User can also select the week by clicking on the week number.

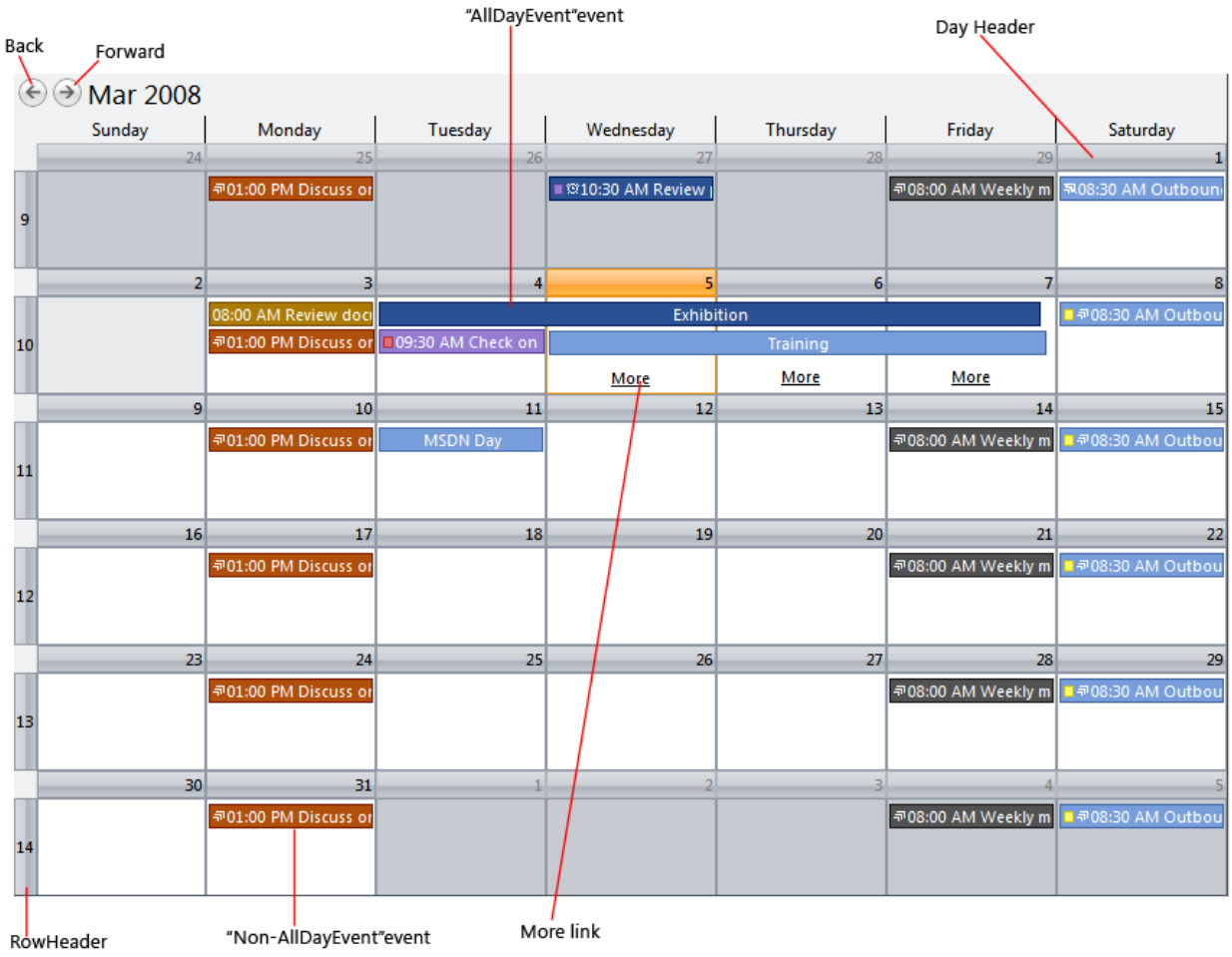


User can click the calendar header to view Year and YearRange calendar views to easily navigate and select a date in the calendar. User can only view Year and YearRange calendar views in the first calendar. The other calendars will be disabled.

When Back and Forward button is clicked, the previous and the next week will be rendered according to the week options mode. User can also click the Day Header columns to navigate to that day in Day view.

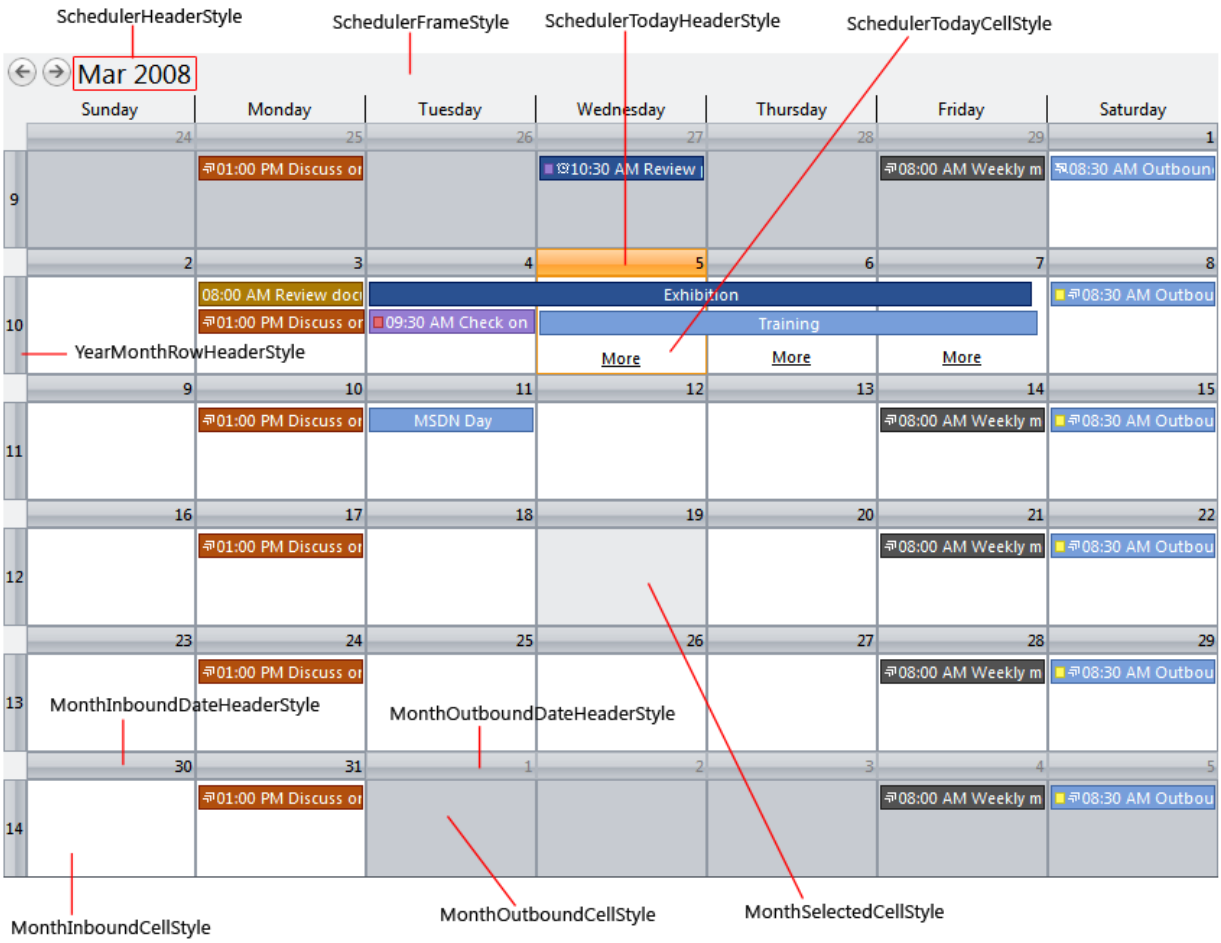
MonthView

- Navigation



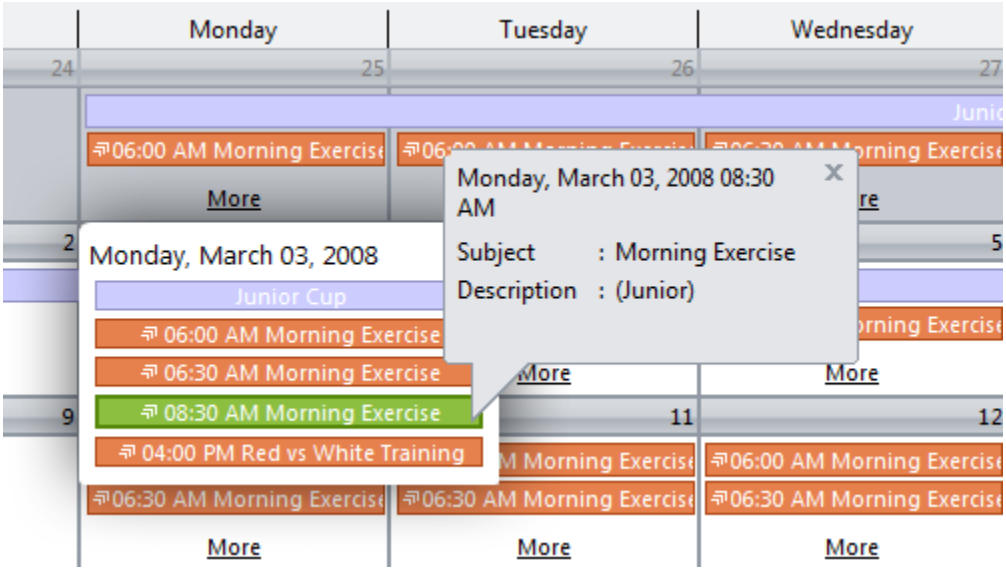
  - Back
    Back button in WebScheduler will navigate WebScheduler to the previous month.
  - Forward
    Forward button in WebScheduler will navigate WebScheduler to the next month.
  - WebScheduler “Day” views.
    When you clicked on DayHeader in MonthView, WebScheduler will switch to “Day” view.
  - WebScheduler “Week” views.
    When you click on RowHeader (WeekNumber) in MonthView, WebScheduler will switch to “Week” view.
  - More event
    “More” link will appear in the day’s cell in MonthView if the event of that day is more than 2. When you click “More” link, you will be provided with detail view about the events in that day.

- Moving event
  WebScheduler also includes drag and drop ability. In MonthView you can move the non-AllDayEvent event(s) only by dragging and dropping it to the other day.
- Styles
  Here are the stylesin WebScheduler's Calendar:
  - MonthInboundCellStyle
  - MonthInboundDateHeaderStyle
  - MonthOutboundCellStyle
  - MonthOutboundDateHeaderStyle
  - MonthSelectedCellStyle
  - SchedulerTodayCellStyle
  - SchedulerTodayHeaderStyle
  - SchedulerFrameStyle
  - SchedulerHeaderStyle
  - YearMonthRowHeaderStyle



- More links

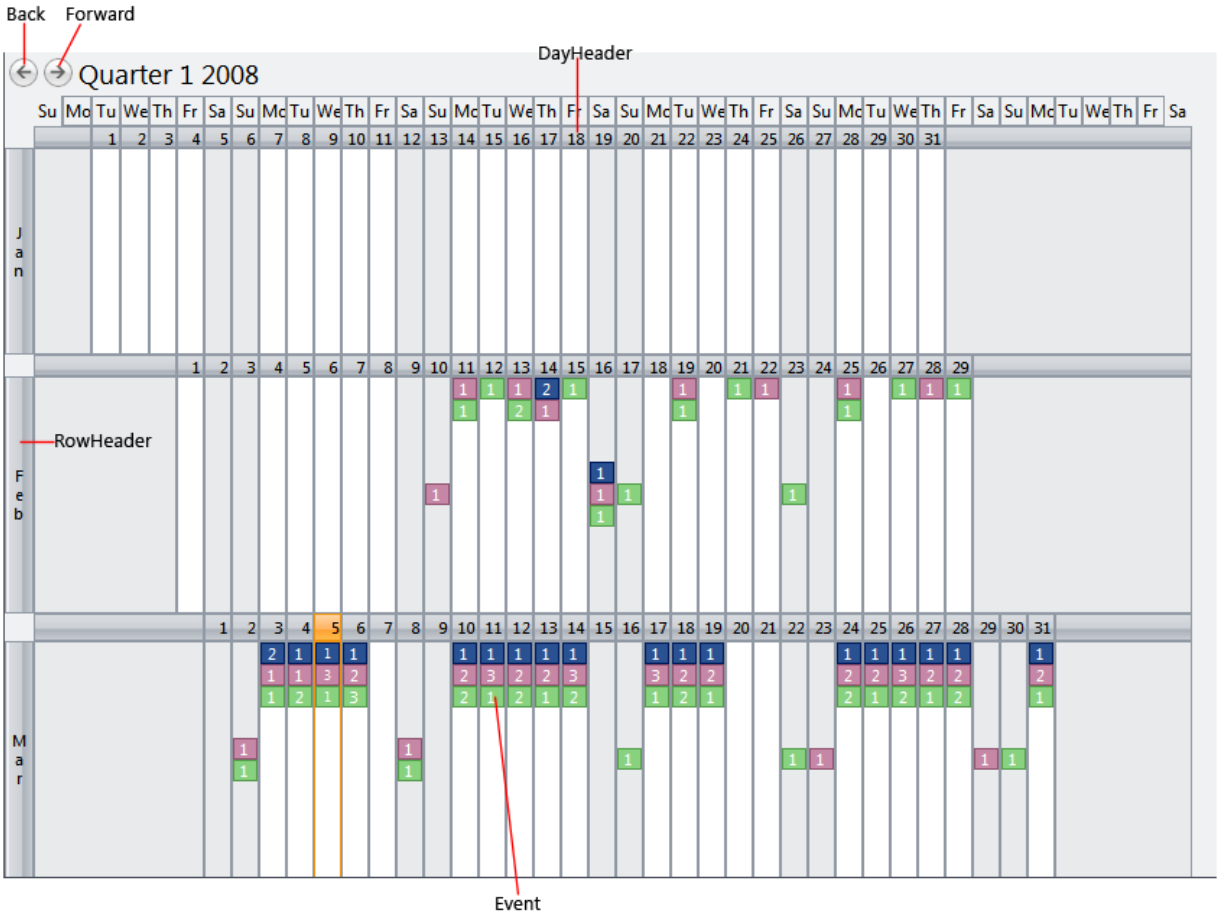
  More links will be displayed in the day's cell if the events of that day can-not be fully displayed due to the limited space of Month view layout. When the link is clicked, all the events of that day will be displayed in a detail view.



Note that when clicked, the event will still be selected and the detail information of that event will be displayed in the callout.

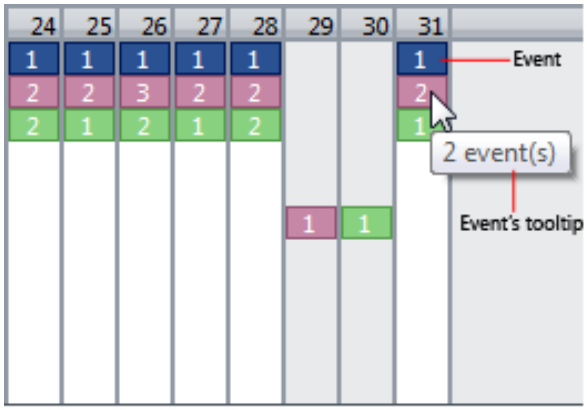
Quarter view

- Navigation



  - Back
    Back button in quarter view will navigate to the previous quarter.
  - Forward
    Forward button in quarter view will navigate to the next quarter.
  - WebScheduler “Day” view
    When you click on DayHeader in QuarterView, WebScheduler will switch to “Day” view.
  - WebScheduler “Month” view
    When you click on RowHeader (month) in QuarterView, WebScheduler will switch to “Month” view.

- User interface



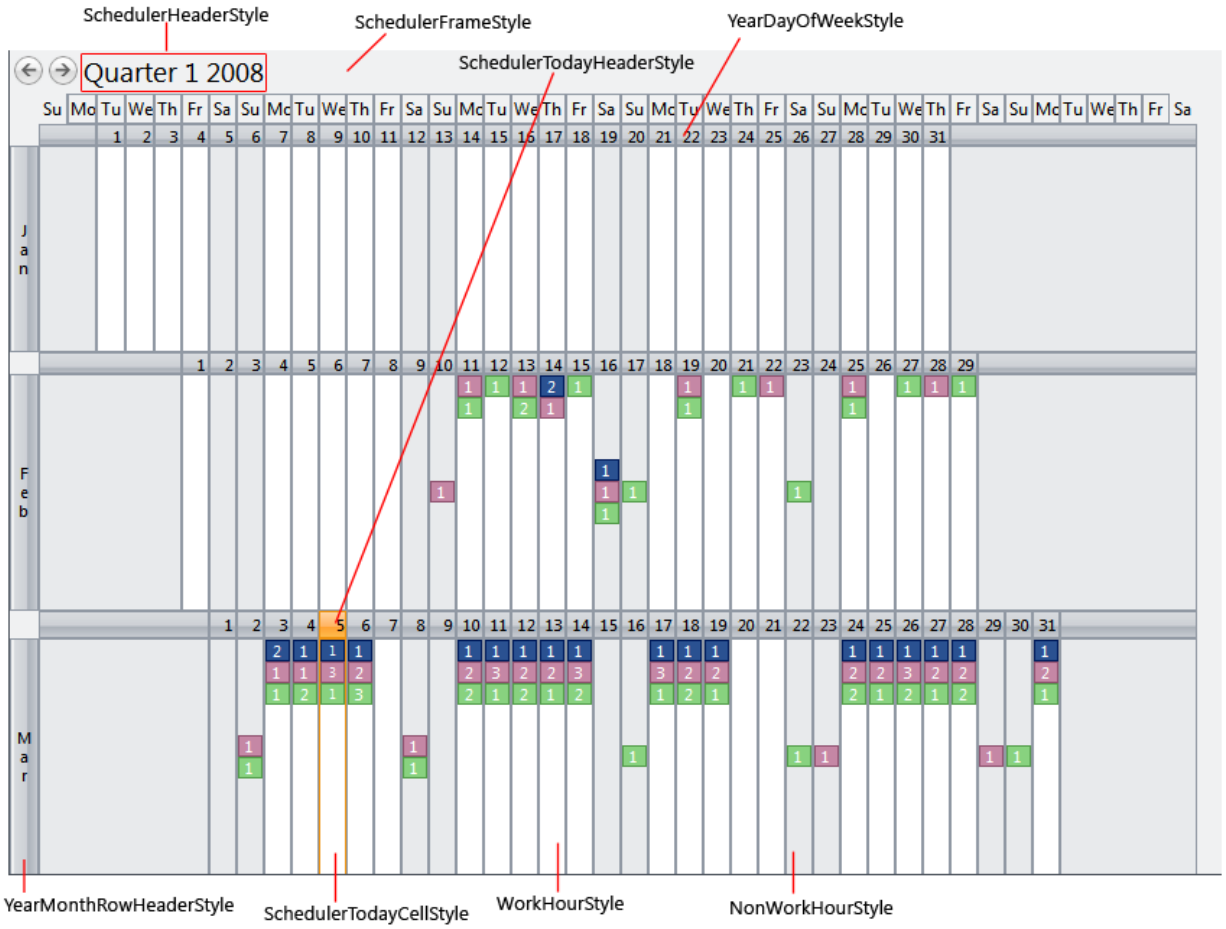
Each event in Quarter view will have:

  - Event's background color.
    The event's background color is using the resource's color. For example, "Michael" (resource's color is green) then the event(s) that related to "Michael" will be green.
  - Event's Text
    The event's text describes how many event(s) that belong to 1 resource has on that day. For example, "Michael" has 2 events on March, 31th then the event will has 2 as the text.
  - Event's tooltip
    There are 2 behaviors in event's tooltip:
    1. The tooltip is set with the event's description.
       This behavior will be used if the amount of the event that belongs to 1 resource in that day is only 1.
    2. The tooltip is set with the event's amount
       This behavior will be used if the amount of the event that belongs to 1 resource in that day is more than 1.

In the above screen shot, the mouse hovered event is using the 2nd behavior.

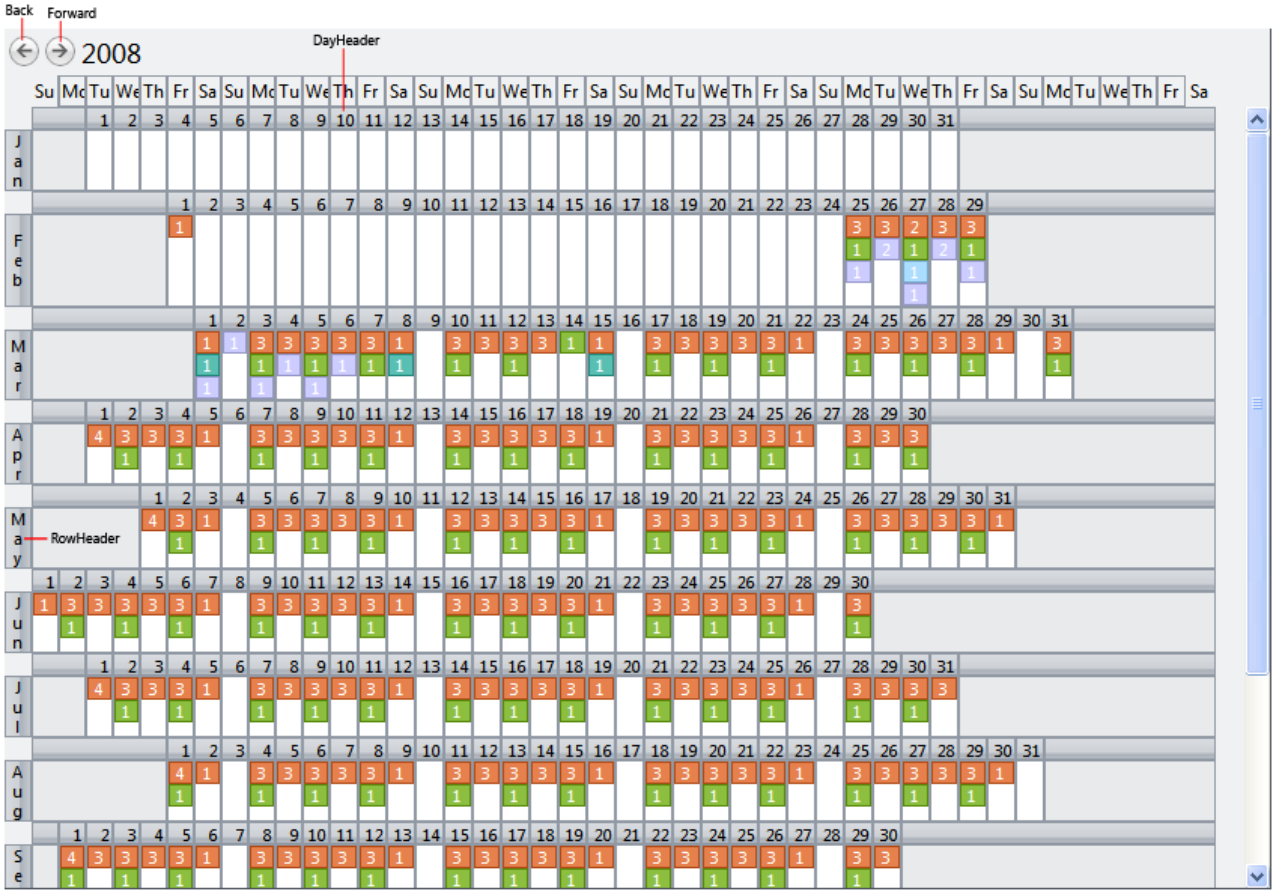
- SelectedWeekViewMode
  With a friendly and interactive user interface, WebScheduler provides a way to identify whether the day in the scheduler's view is either WorkHour or NonWorkHour, by only looking at the scheduler's view.
  By default the SelectedWeekViewMode is FullWeek, this means WebScheduler will set the days as work hour day initially, therefore all of the day will use WorkHourStyle. In order to activate the NonWorkHour on the day, you need to set SelectedWeekViewMode to WorkWeek. WebScheduler will determine whether or not the day should be worked hour day based on WorkWeekSettings.
- Styles
  Here are the styles in YearView and QuarterView
  - YearDayOfWeekStyle

- SchedulerTodayCellStyle
- SchedulerTodayHeaderStyle
- SchedulerFrameStyle
- SchedulerHeaderStyle
- YearMonthRowHeaderStyle
- WorkHourStyle
- NonWorkHourStyle



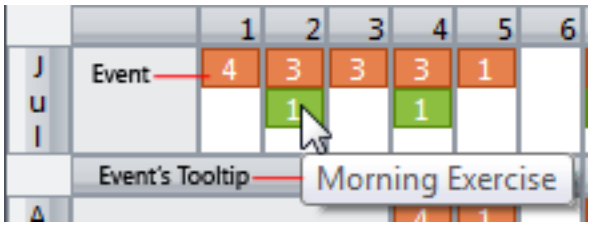
Year view

- Navigation



  - Back
    In YearView, back button will navigate to the previous year.
  - Forward
    In YearView, forward button will navigate to the next year.
  - WebScheduler “Day” view
    When you click on DayHeader in YearView, WebScheduler will switch to “Day” view.
  - WebScheduler “Month” view
    When you clicked on RowHeader (month) in YearView, WebScheduler will switch to “Month” view.

- User interface



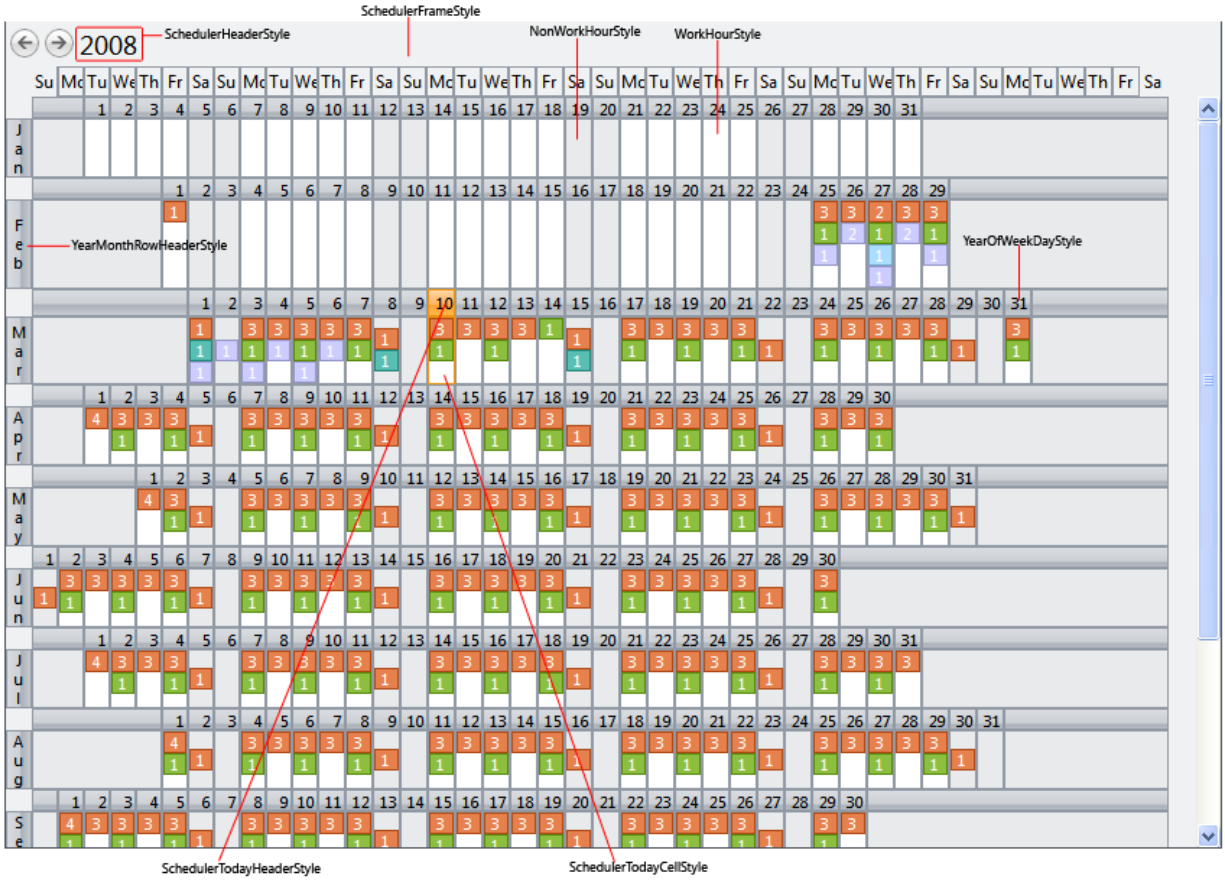
Each event in Year view will have:

  - Event's background color.
    The event's background color is using the resource's color. For example, "Michael" (resource's color is green) then the event(s) that is related to "Michael" will be green.
  - Event's Text
    The event's text describes how many event(s) that belong to 1 resource has on that day. For example, "Michael" has 2 events on March, 31th then the event will has 2 as the text.
  - Event's tooltip
    There are 2 behaviors in event's tooltip:
    1. The tooltip is set with the event's description.
       This behavior will be used if the amount of the event that belongs to 1 resource in that day is only 1.
    2. The tooltip is set with the event's amount
       This behavior will be used if the amount of the event that belongs to 1 resource in that day is more than 1.

In the above screen shot, the mouse hovered event is using the 1st behavior.

- SelectedWeekViewMode
  With a friendly and interactive user interface, WebScheduler provides a way to know whether the day in the scheduler's view is either WorkHour or NonWorkHour by only looking at the scheduler's view.
  By default the SelectedWeekViewMode is FullWeek, this means WebScheduler will set the days to work hour day, therefore all of the day will use WorkHourStyle. In order to activate the NonWorkHour on the day, you need to set SelectedWeekViewMode to WorkWeek. WebScheduler will determine whether or not the day should be worked hour day based on WorkWeekSettings.
- Styles
  Here are the styles in YearView and QuarterView
  - YearDayOfWeekStyle
  - SchedulerTodayCellStyle
  - SchedulerTodayHeaderStyle
  - SchedulerFrameStyle
  - SchedulerHeaderStyle

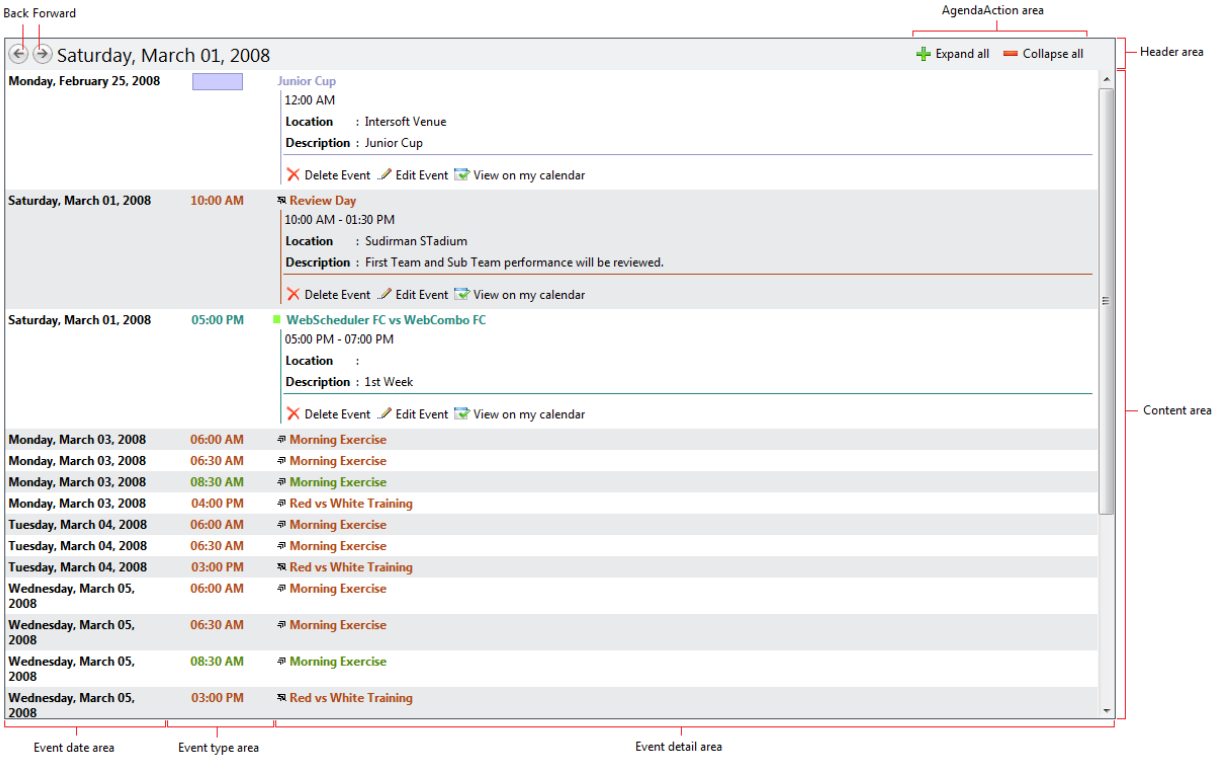
- YearMonthRowHeaderStyle
- WorkHourStyle
- NonWorkHourStyle



Agenda view

Agenda view shows list of events detail.

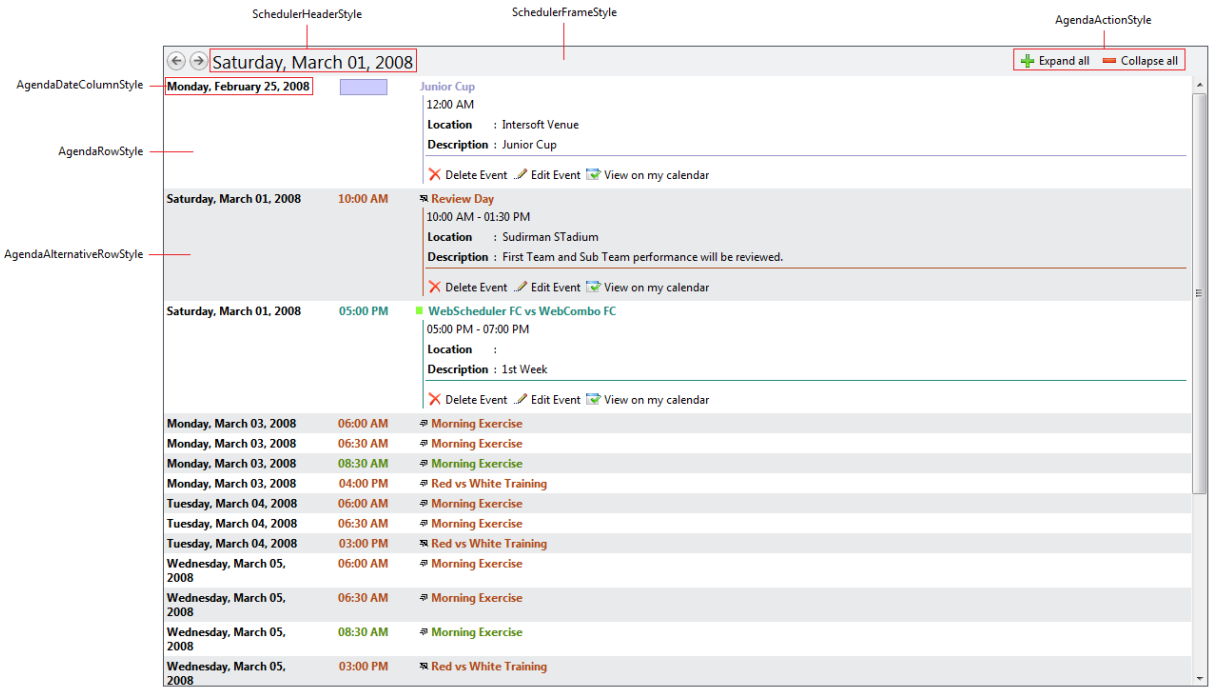
- Agenda view Layout



The areas in Agenda view are:

- Header area.
  The selected date will be displayed according to the DateFormatString property specified in ViewSettings - AgendaView category.
  The Agenda Action area consists of Expand All and Collapse All buttons. By default, the first three events will be expanded. If user clicks Expand All button, all the events will be expanded and when user clicks Collapse All button, all the events will be collapsed.
- Content area
  - Event date area, which displays the event date. The event date will use date format specified in ItemDateFormatString property.
  - Event type area, which displays the event type. All-day event is indicated by a box, while time-based event is indicated by the event's start time. Both types will be rendered using the event's resource color.
  - Event detail area, which displays the event detail, such as subject, start and end time, location, description, and other details.

- Agenda view Styles



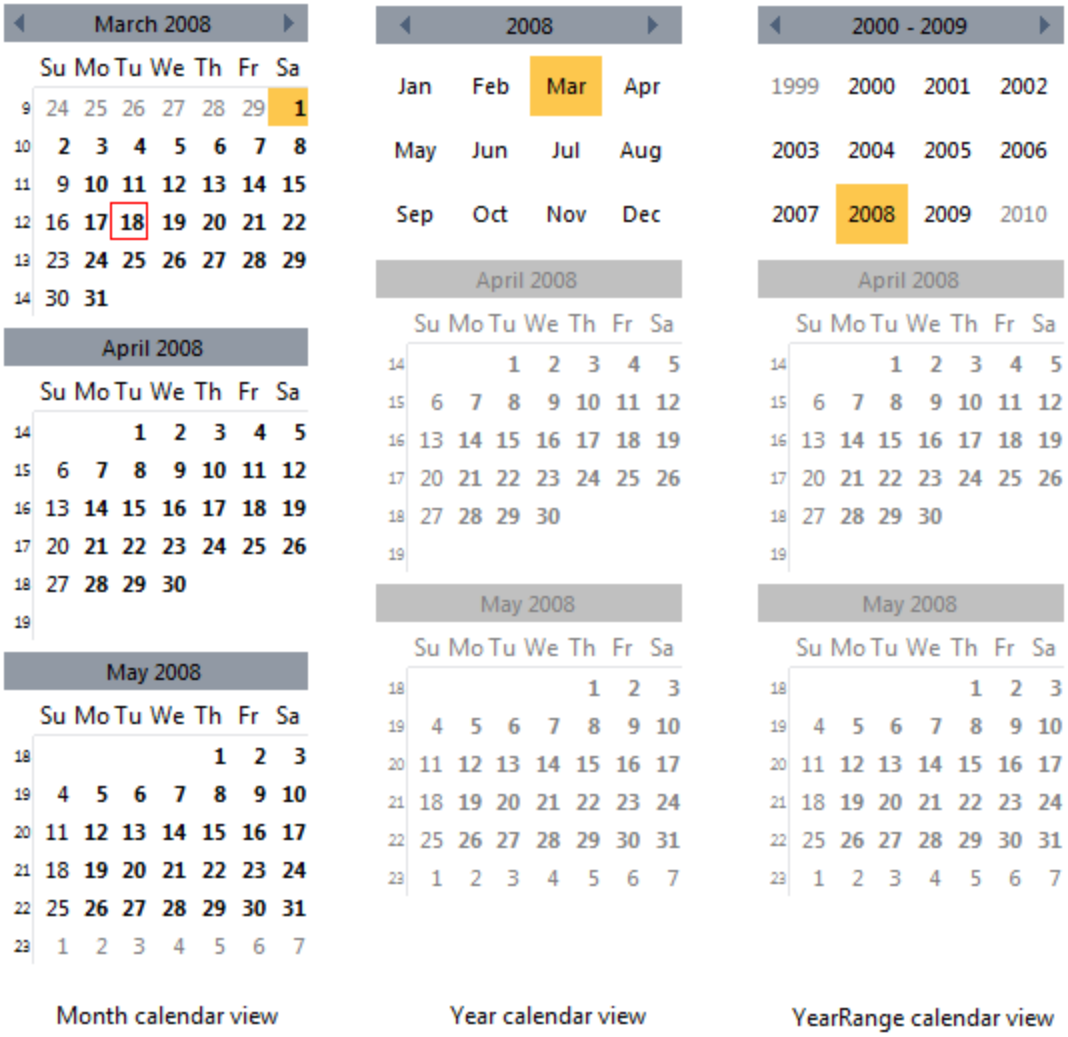
Here are the styles in Week view:

- SchedulerFrameStyle
- SchedulerHeaderStyle
- AgendaActionStyle
- AgendaAlternativeRowStyle
- AgendaRowStyle
- AgendaDateColumnStyle

Agenda view Concept

Agenda view lists the events detail in paging mode. Each page will display max 10 events. When Back and Forward button is clicked, the selected date will be modified to the previous or the next date and 10 events starting from the selected date will be displayed.

In Agenda view, the calendar will display Month calendar view. When user chooses a date in Calendar, the scheduler will navigate to the selected date. User can also click the calendar header to view Year and YearRange calendar views to easily navigate and select a date in calendar. User can only view Year and YearRange calendar views in the first calendar. The other calendars will be disabled.



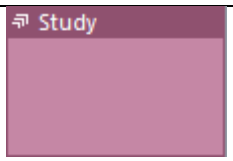
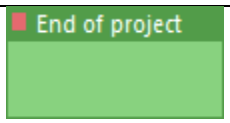
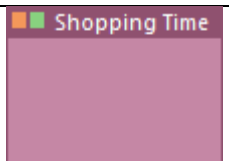
Month calendar view Year calendar view YearRange calendar view

When user clicks the event's date, WebScheduler will navigate to the selected date in Day view. When user clicks the event's subject, the event detail at the bottom will either be collapsed or expanded.

Due to the original purpose of Agenda view, which is to list the events detail, the events cannot be moved or resized. User can edit or delete the event by clicking Edit Event or Delete Event buttons respectively. User can also click View on my calendar button to navigate to the event's date in Day view. Note that Edit Event and Delete Event buttons will be displayed when the features are enabled.

Categories

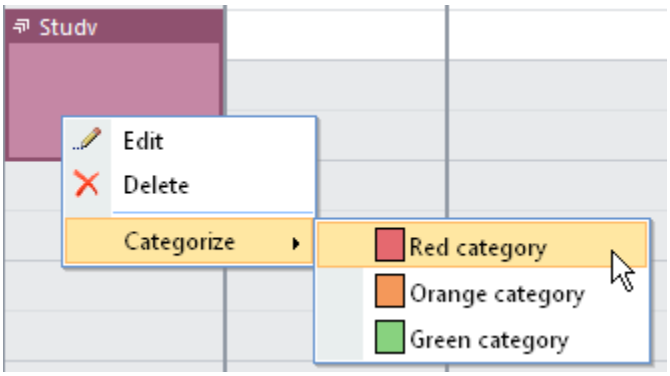
You can specify a single category or multiple categories of each event in WebScheduler. The category exception is in Quarter and Year view, in both of the views the event(s) will not be visible.

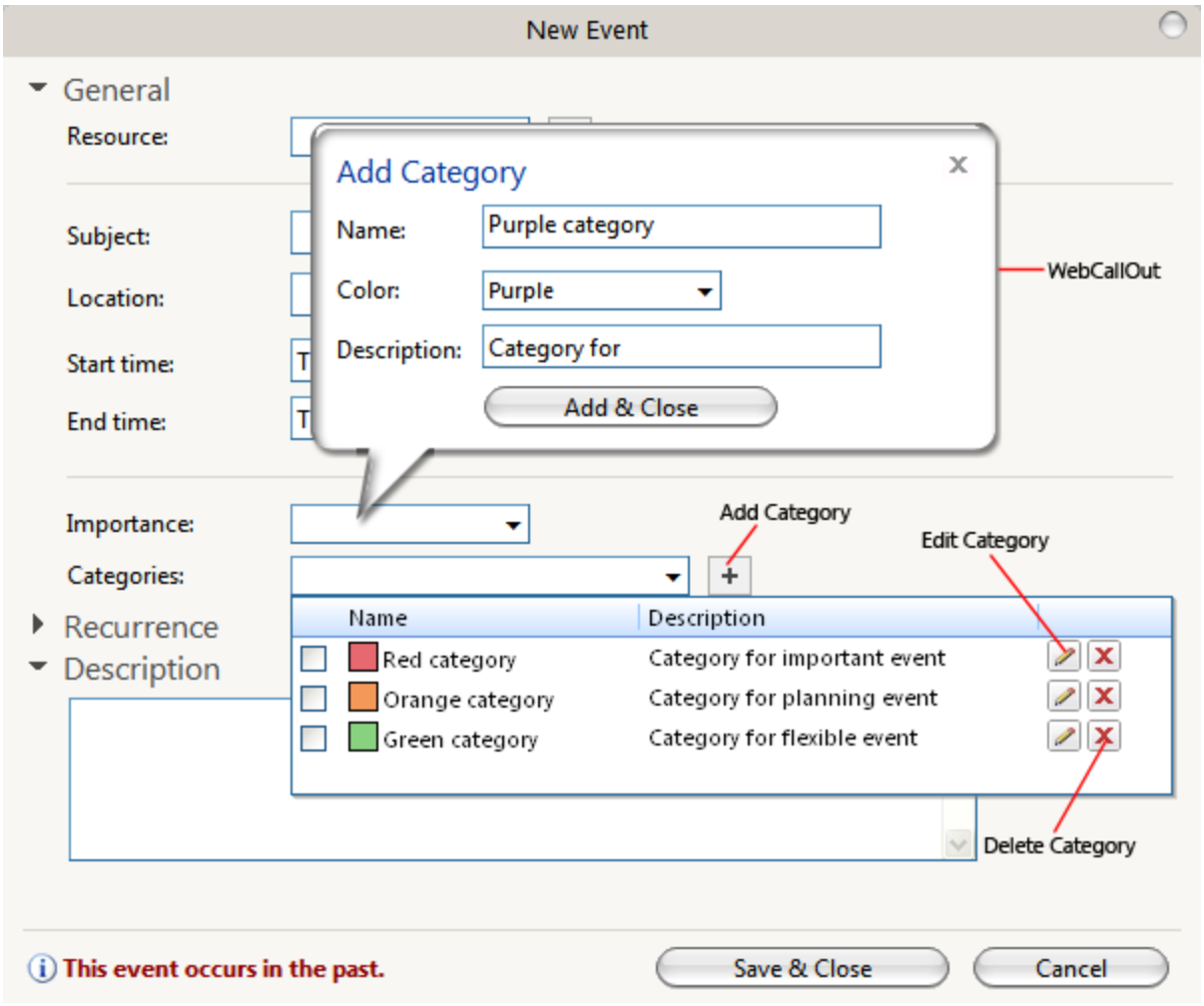
 No Category	 Single Category	 Multiple Categories

- Manage category
  The category management (add, edit and delete) is accessed through WebScheduler's EditingForm. You can also set category to the event through context menu (right click on event).

  Before setting category to the event that you want, you should specify / add your desired category as WebScheduler does not provide initial / default category.

  - Set multiple categories
    In order to set multiple categories to the event, simply select more than 1 category in the EditingForm categories' combo or alternatively, you can select the category one by one through the context menu.

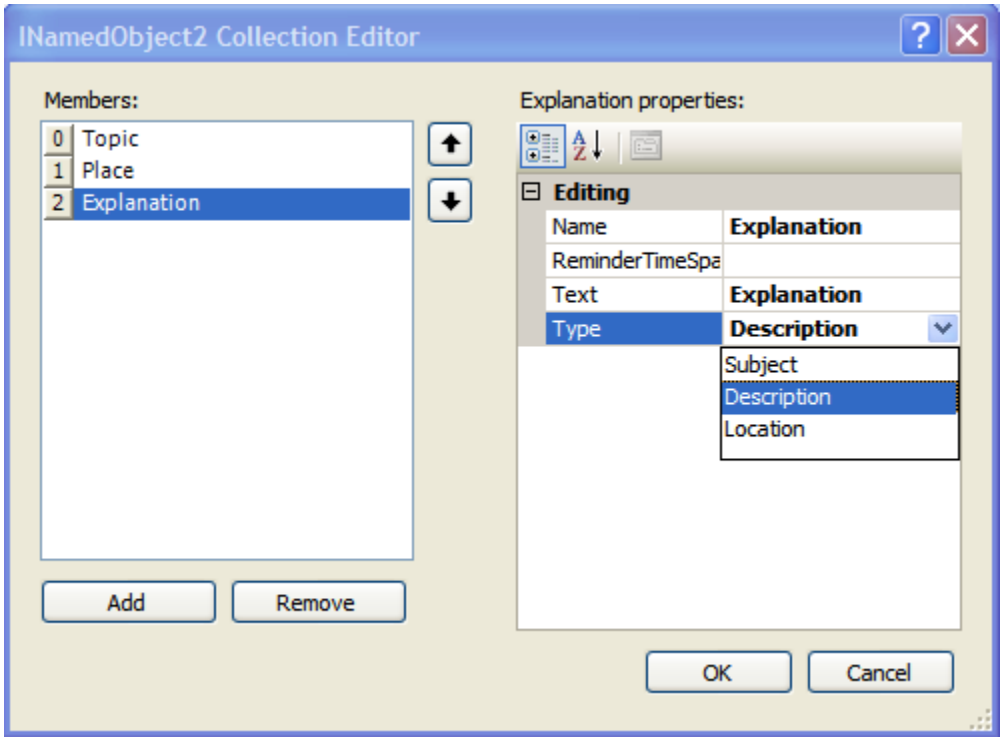


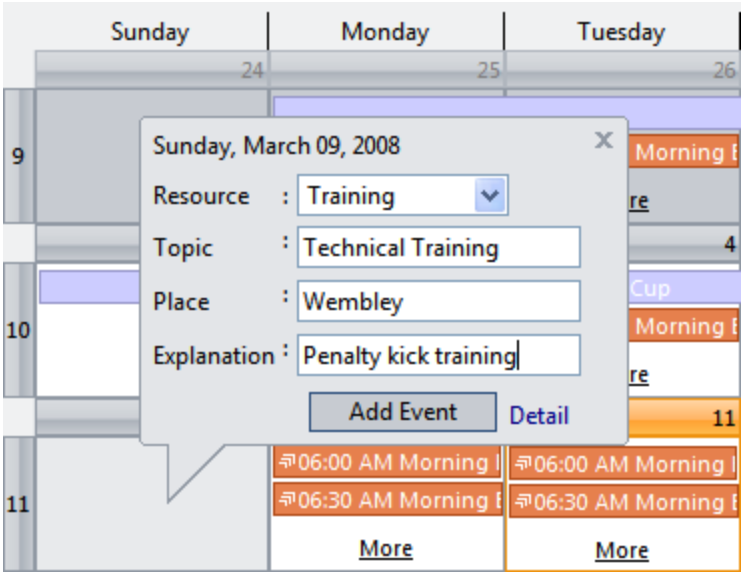

New Event
General
Resource:
Subject:
Location:
Start time:
End time:
Add Category
Name:
Purple category
Color:
Purple
Description:
Category for
Add & Close
WebCallOut
Importance:
Categories:
Add Category
Edit Category
Recurrence
Description
Name
Description
Red category
Category for important event
Orange category
Category for planning event
Green category
Category for flexible event
Delete Category
This event occurs in the past.
Save & Close
Cancel

CallOut

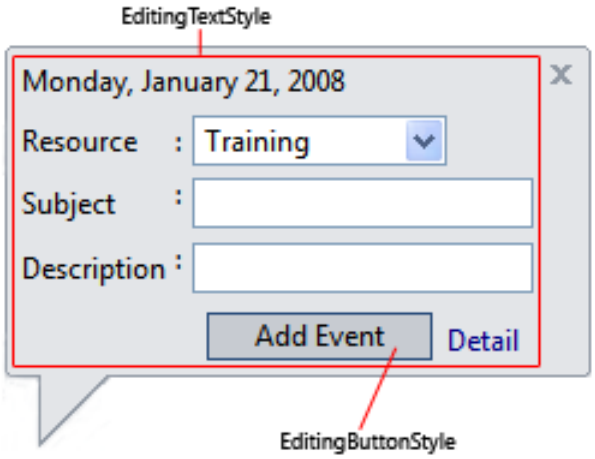
One of the essential things in WebScheduler is CallOut. WebScheduler is using CallOut for displaying detail information and data editing (add, edit and delete).

- AutoDetect
  CallOut has the ability to automatically determine its position base on user click position. Developer will not need to worry about where the CallOut should appear, is there an enough space to show the CallOut, etc.
- EditingField
  The flexibility of this CallOut is that you can specify / modify the CallOut's field and text through EditingField property.



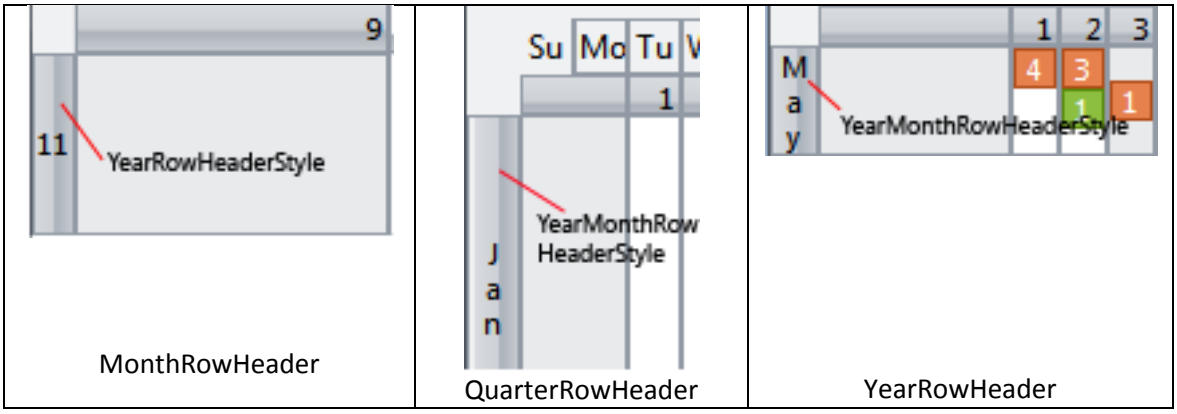


- When CallOut will be shown.
  - Clicking on WebScheduler's cell in Day, Week and Month view.
    In this situation, you can add a new event or open EditingForm through CallOut
  - Clicking on WebScheduler's event in Day, Week and Month view.
    In this situation, you can edit or delete the event.
- Styles
  Here are the styles uses in CallOut
  - EditingButtonStyle
  - EditingTextStyle

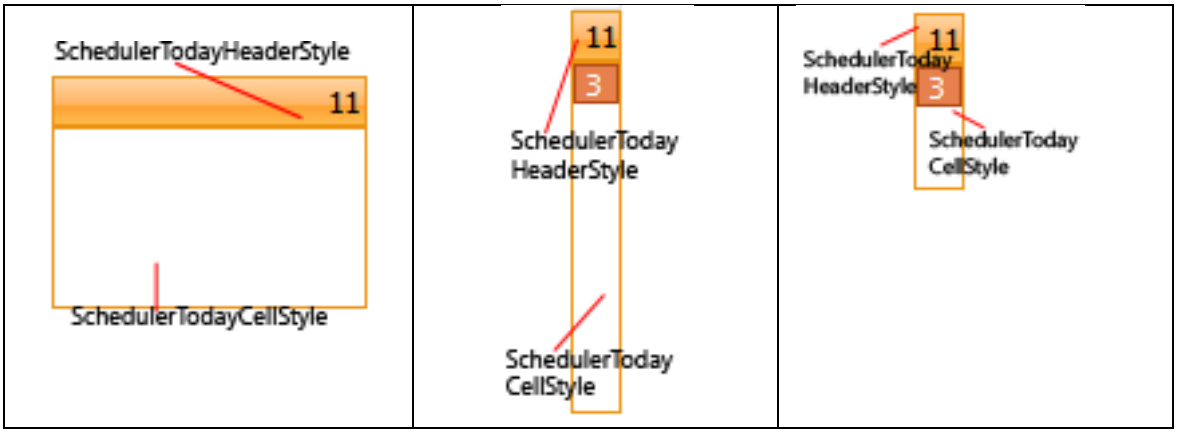


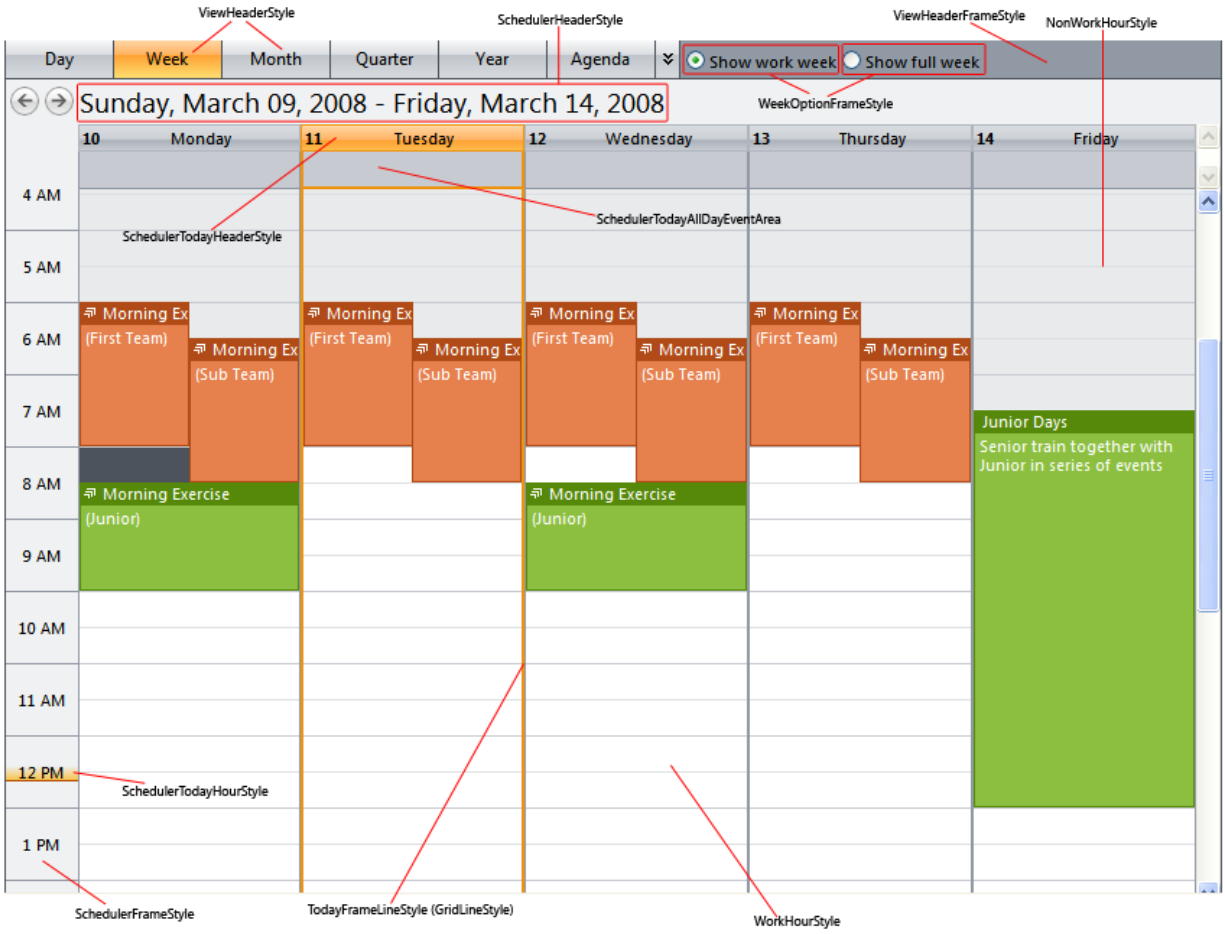
General Feature

- EnableAnimation.
  This is another flexibility of CallOut, instead of having fade-in and fade-out animation. You can disable the animation, simply by setting the EnableAnimation property to False.
  TODO: How to
- EnableContextMenu.
  With ContextMenu, you can have another way of navigation to add, edit or delete event(s), go to the "selected day" event in Day view, go to "today" event in Day view and set category(s) to the selected event. Simply by setting the EnableContextMenu to True and right click on WebScheduler cell / event in Day, Week and Month view, the ContextMenu will appear.
- ShowWeekNumber.
  This feature provides you a way to determine whether or not you want to show the WeekNumbers in calendar(s) and scheduler.
  TODO: How to
- General Styles.
  Note:
  - Today's cell in Day and Week view is using TodayFrameLineStyle (GridLineStyle).
  - SchedulerTodayCellStyle is applied for Month, Quarter and Year's today cell only.
  - YearMonthRowHeaderStyle is applied for Month, Quarter and Year's RowHeader only.



MonthRowHeader | QuarterRowHeader | YearRowHeader



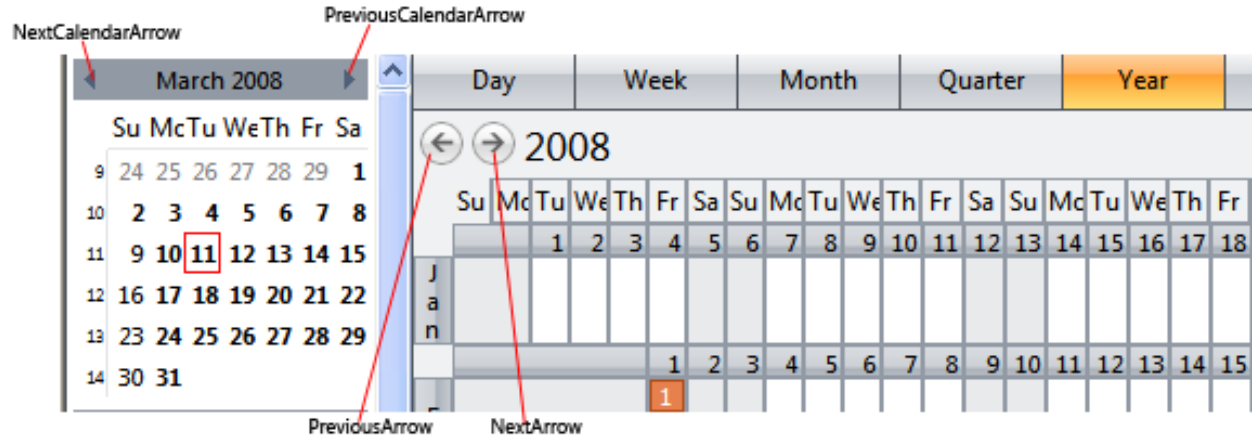


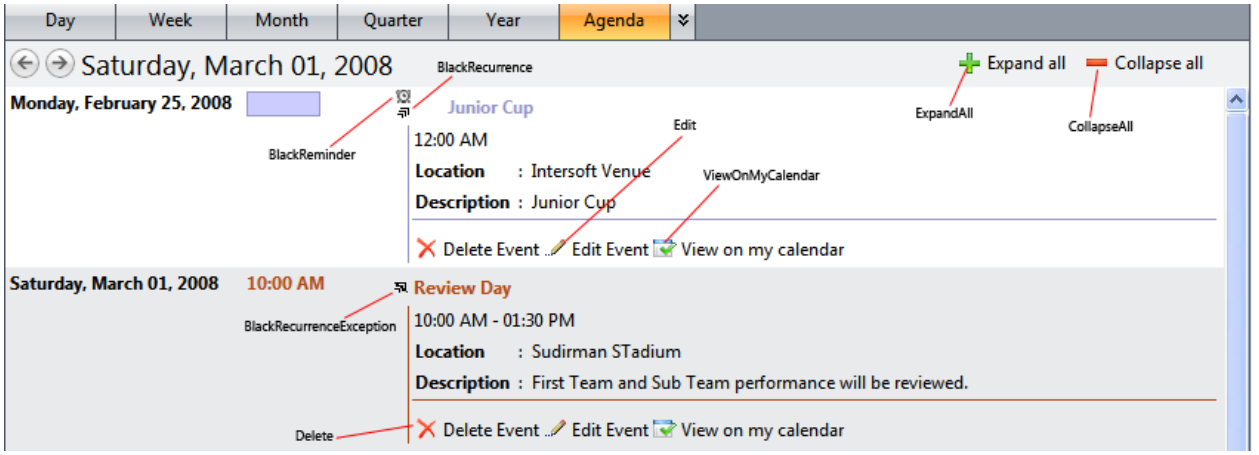
- ImagesSettings.
  In WebScheduler, ImagesSettings property provides a way for developer to design virtually any kind of image(s) or styles as a significant added value for end user experience.

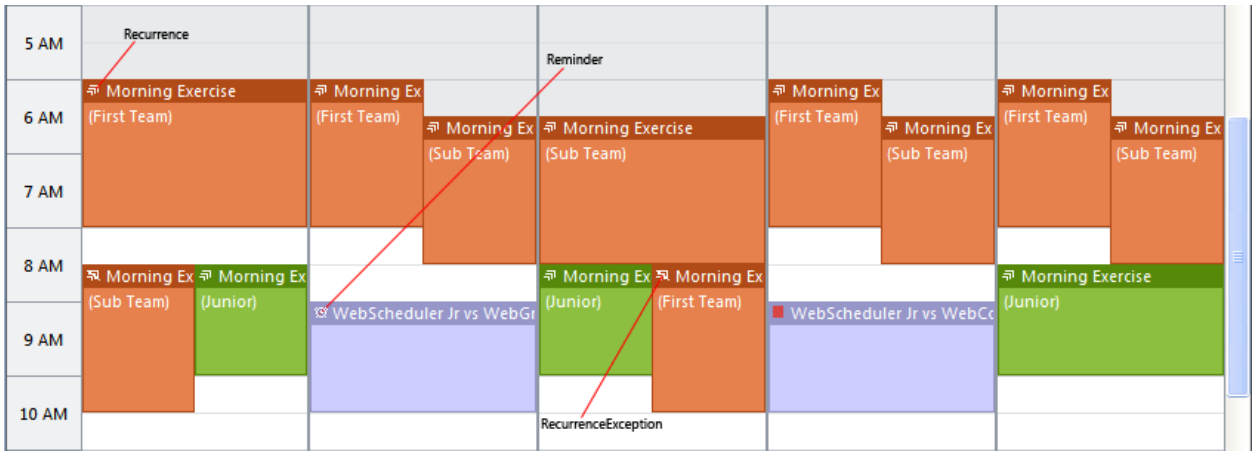
ImagesSettings	
BlackRecurrence	**BlackRecurrence.gif**
BlackRecurrenceException	**BlackRecurrenceException.gif**
BlackReminder	**BlackReminder.gif**
CollapseAll	collapse.gif
Delete	delete.gif
Edit	edit.gif
ExpandAll	expand.gif
NextArrow	BlackRightArrow.png
NextCalendarArrow	blackright.gif
PreviousArrow	BlackLeftArrow.png
PreviousCalendarArrow	blackleft.gif
Recurrence	recurrence.gif
RecurrenceException	exception.gif
Reminder	alarm.gif
ResourcesDownArrow	blackdown.gif
ViewOnMyCalendar	view.gif

  Note:

- BlackReminder, BlackRecurrence and BlackRecurrenceException images are used in Agenda view only.
- Reminder, Recurrence and RecurrenceException images are used in Day, Week and Month view's event only.







EditingForm

WebScheduler's Editing Form is entirely powered by the company's flagship WebUI Studio.NET components to deliver the most sophisticated user interface for editing experience. From the design, look and feel perspective, WebScheduler's Editing Form is modeled in a very unique and innovative neutral theme which dramatically enhances user experience. By default, it casted deep alpha blended drop- shadow to strengthen the focus of the editing dialog box and its features. WebScheduler's Editing Form adopts "open architecture" model, which means you can edit the Form and customize it according to your needs.

The key objectives of the "open architecture" Editing Form is:

- Enable you to conveniently customize the styles, appearance, and layout of the Editing Form to suit your needs, as long as the controls and ID are not modified.
- Enable you to easily localize the textual elements used in the Form.
- Enable you to add more fields and custom validations according to your business scenario.
- Enable you to add more controls and possibility to use other third party controls in the Form.
- Enable you to control and customize the behaviors of existing controls, for example to disable an input field.

Currently, WebScheduler's EditingForm is designed using WebDesktop (WebDialogBox, WebContextMenu, WebCallOut), WebCombo and WebInput. WebScheduler's editing form is controlled by WebScheduler_Edit.js.

- Field that should not be empty in EditingForm.
  Here are the fields that should not be empty in EditingForm :
  - General section.
    - Resource.
    - Subject.
    - StartTime .
    - StartTimeInfo.
    - EndTime.
    - EndTimeInfo.
    - Important.
  - Recurrence section.
    - Daily recurrence.
      - NDay field if the daily's option 1 is selected.
    - Weekly recurrence.
      - NWeek field.
      - Should check at least 1 of the day's checkbox.
    - Monthly recurrence.
      - NDay field.
      - NMonth field.
    - Yearly recurrence

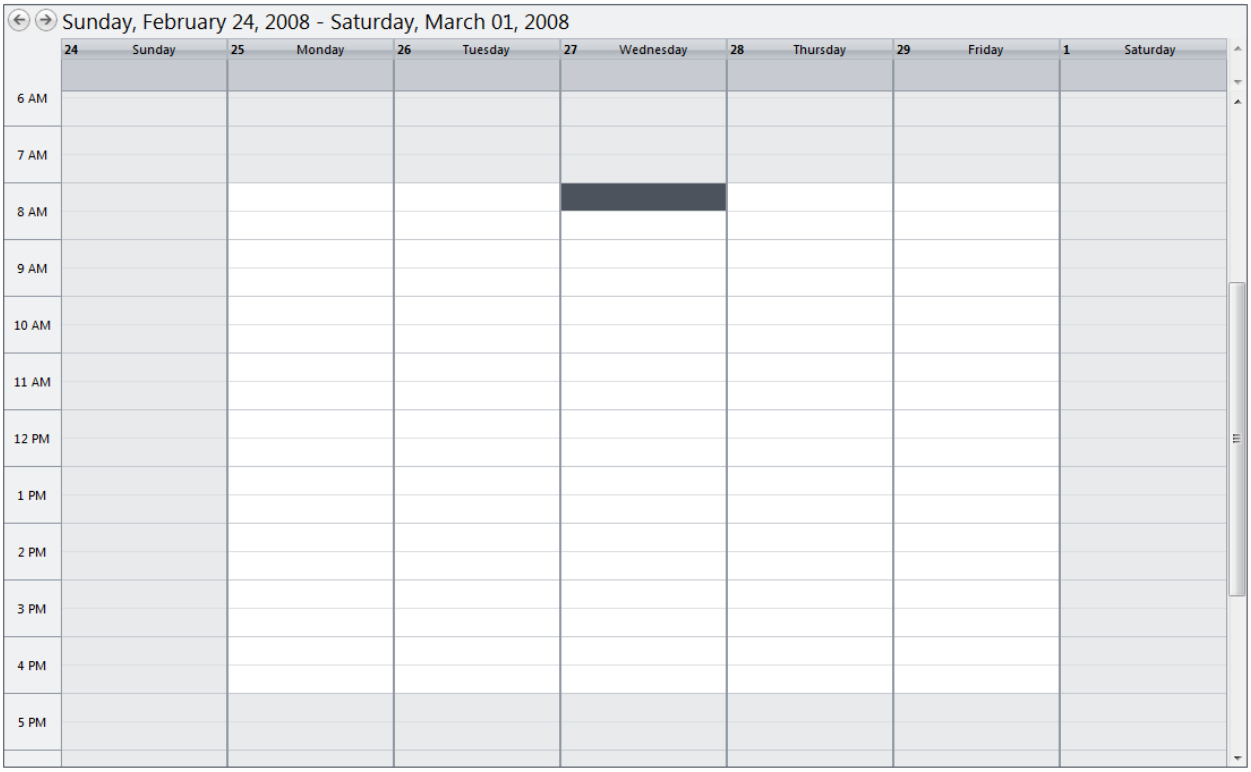
- Month field
- NDay field

- Disable Recurrence section.
  Recurrence section will be disabled if you would like to edit the recurrence's event however the edit only applied for the selected event only.

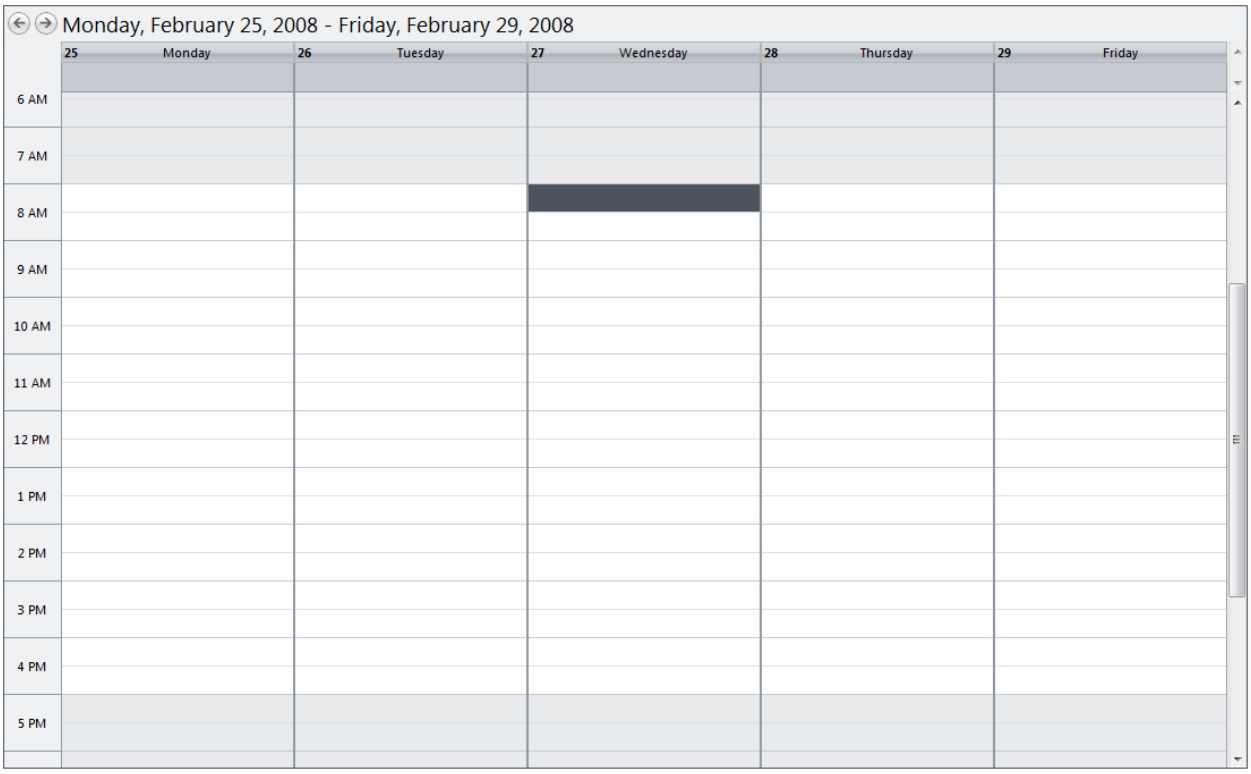
Work Week Settings

User can define the work days and work hour in WebScheduler. When specified, the non work hours will be rendered using different styles.

In WorkWeekSettings, user can specify the start time and end time of work hours. By default, the start time is set to 8 AM and end time is set to 5 PM. Using this configuration, the hours which is not included as work hours, will be considered as non work hours. This configuration can be seen in Day view and Week view. Note the difference between the following two screenshots to show how WebScheduler differentiate between work hour and non work hour.



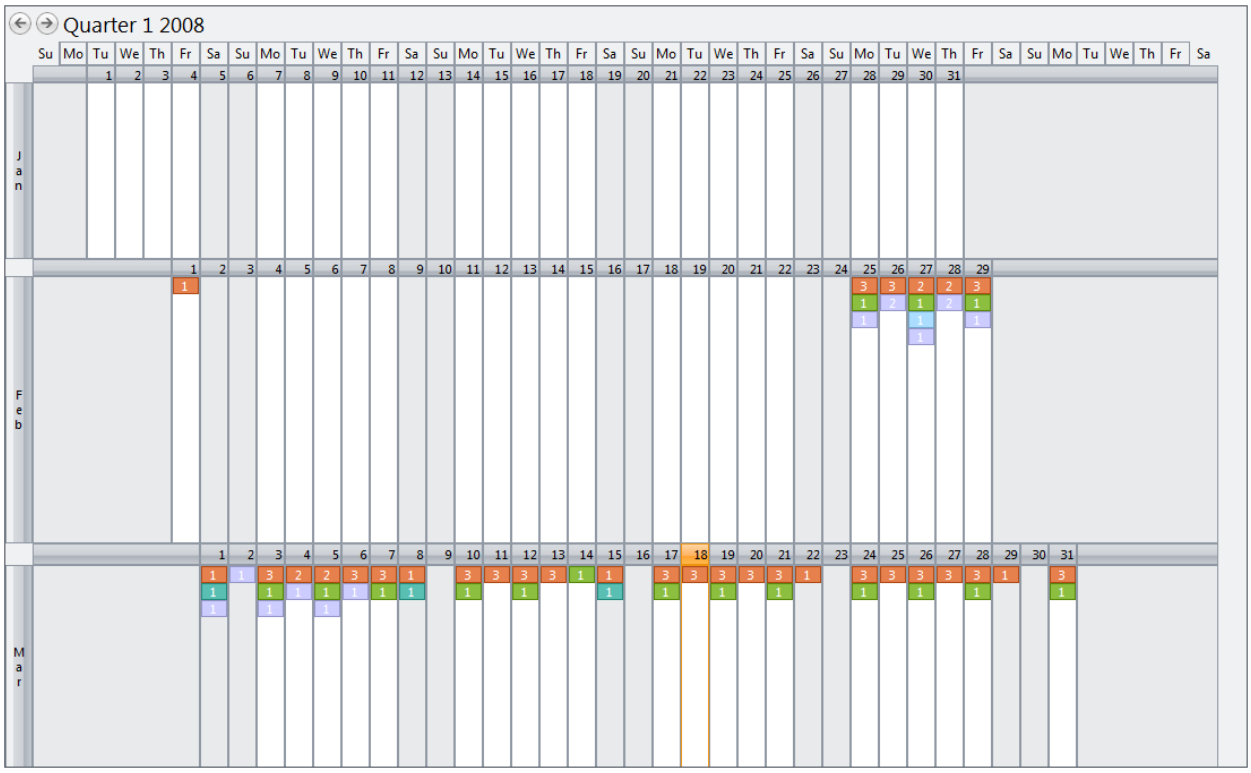
The above screenshot shows the work hours in full week mode of Week view.



The above screenshot shows the work hours in work week mode of Week view. In Work week view mode, only the work days are displayed.

In WorkWeekSettings, user can specify which days are work days and vice versa. By default, Sunday and Saturday are set to non work days. In Default style, the non work hours will be rendered in darker color compared to work hours. This configuration can be seen in Day view, Week view, Quarter view and Year view.

The styles can be configured in WorkHourStyle and NonWorkHourStyle.


Quarter 1 2008
Jan
Feb
Mar

Culture

WebScheduler.NET supports various cultures, which can be specified in Culture properties. If the culture is not specified, WebScheduler.NET will use the default culture in the server.

In addition to culture feature, user can specify DateFormatString that will be used in every view as the header text. In all view except Quarter view, user can use .NET date format as the value DateFormatString.

In Day view, the default value of DateFormatString is D, which will display the header date in dddd, dd MMM yyyy format.

In Week view, the default value of DateFormatString is also D. Since the week view displays dates in weekly period, the header text format will be [StartDate] – [EndDate]. The dates will use the DateFormatString value specified.

In Month view, the default value of DateFormatString is MMM yyy.

Quarter view displays dates within a quarter periods. The default value of DateFormatString is [quarter] [year]. The [quarter] text will be replaced with the active quarter value. The [year] text will be replaced with the active year value. Custom text settings can be added in this property so user can have custom header text for Quarter view.

In Year view, the default value of DateFormatString is yyyy.

In Agenda view, the default value of DateFormatString is D, which will display the header date in dddd, dd MMM yyyy format. User can also specify the event's DateFormatString using ItemDateFormatString, which default value is also D.

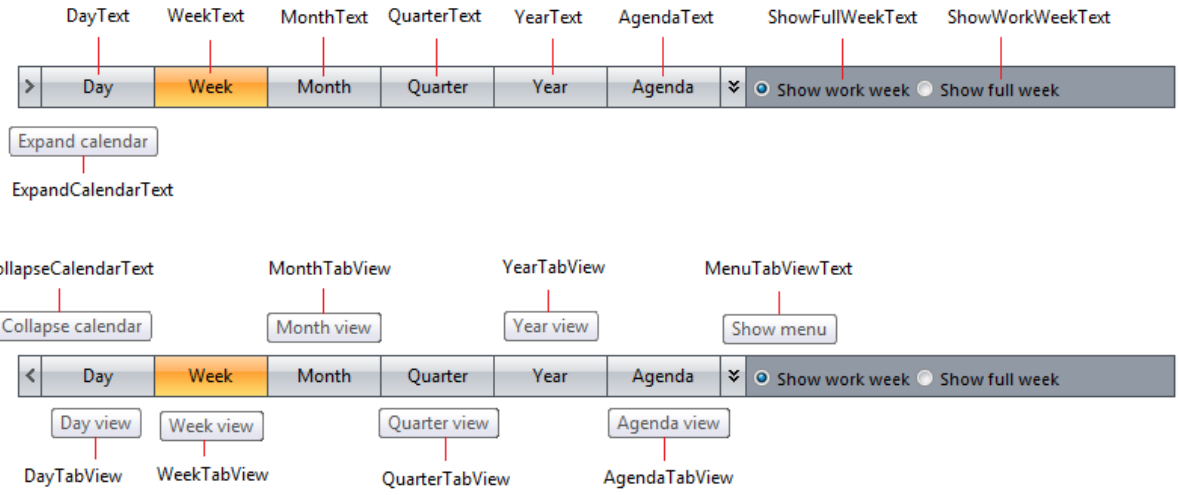
Text Settings

User can customize WebScheduler text areas to use custom text according to their needs.

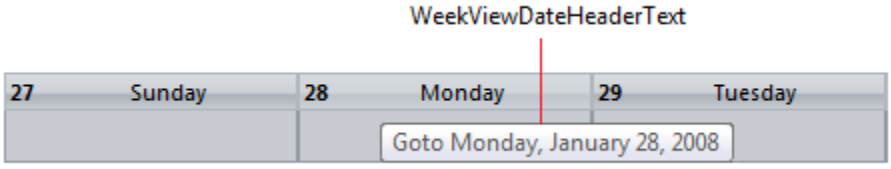
Various text settings that can be customized in view header area are:

- DayText: the text for Day view header
- WeekText: the text for Week view header
- MonthText: the text for Month view header
- QuarterText: the text for Quarter view header
- YearText: the text for Year view header
- AgendaText: the text for Agenda view header
- DayTabView: the tooltip text for Day view header
- WeekTabView: the tooltip text for Week view header
- MonthTabView: the tooltip text for Month view header
- QuarterTabView: the tooltip text for Quarter view header

- YearTabView: the tooltip text for Year view header
- AgendaTabView: the tooltip text for Agenda view header
- ExpandCalendarText: the tooltip text for ExpandCalendar button
- CollapseCalendarText: the tooltip text for CollapseCalendar button
- MenuTabViewText: the tooltip text for menu tab view
- ShowFullWeekText: the text for Show full week radio button
- ShowWorkWeekText: the text for Show work week radio button

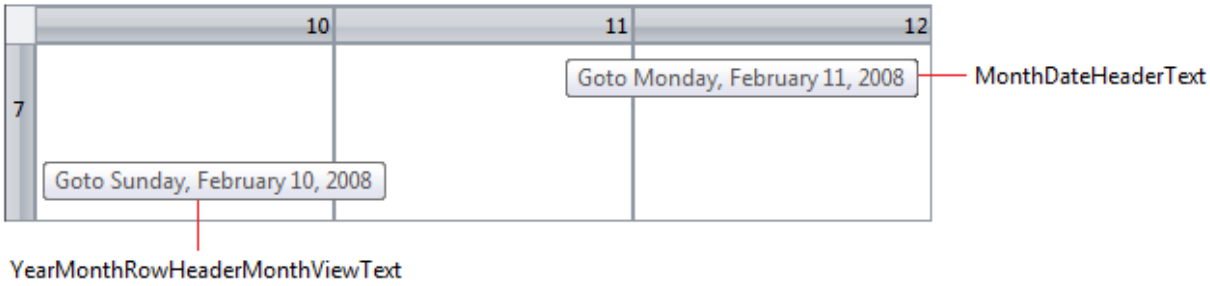


User can customize the tooltip text of date header in Week view using WeekViewDateHeaderText property.



Various text settings that can be customized in Month view are:

- MonthDateHeaderText: the tooltip text for date header
- YearMonthRowHeaderMonthViewText: the tooltip text for row header



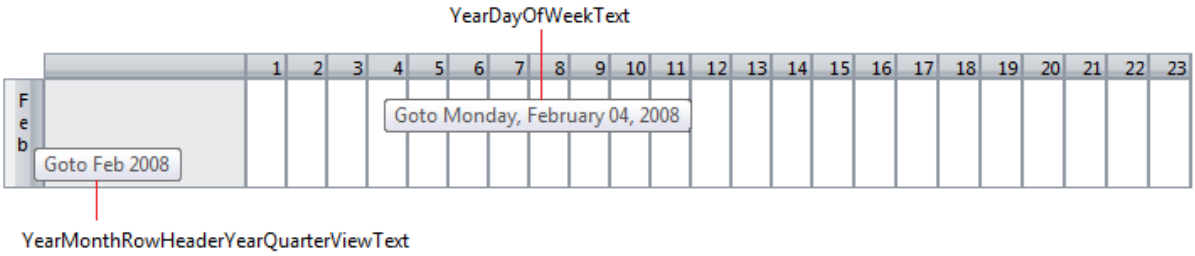
Various text settings that can be customized in Quarter view are:

- Quarter1Text: the text for Quarter 1 header text
- Quarter2Text: the text for Quarter 2 header text
- Quarter3Text: the text for Quarter 3 header text
- Quarter4Text: the text for Quarter 4 header text

The above text settings will replace the [quarter] value in DateFormatString property of Quarter view. The replacement depends on the active quarter viewed by user.

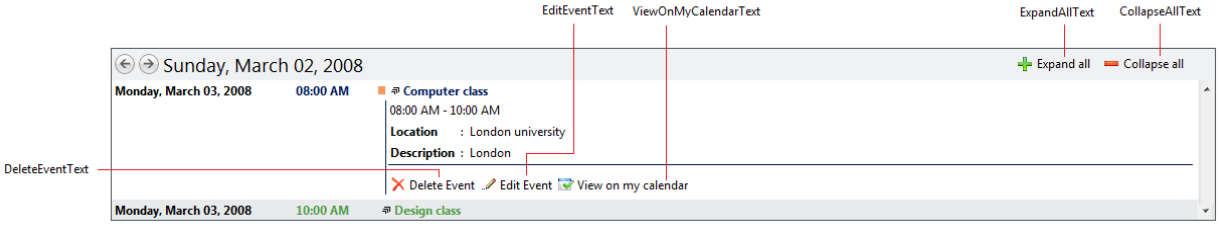
Various text settings that can be customized in Year view are:

- YearDayOfWeekText: the tooltip text for date header
- YearMonthRowHeaderYearQuarterViewText: the tooltip text for row header



Various text settings that can be customized in Agenda view are:

- ExpandAllText: the text for Expand All link in header
- CollapseAllText: the text for Collapse All link in header
- EditEventText: the text for Edit Event link in event detail
- DeleteEventText: the text for Delete Event link in event detail
- ViewOnMyCalendarText: the text for View On My Calendar link in event detail

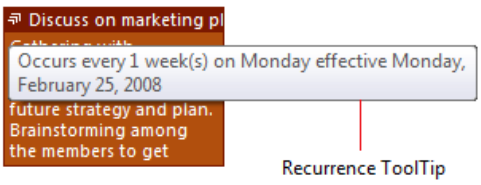


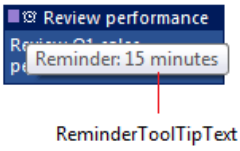
Various text settings that can be customized in event element are:

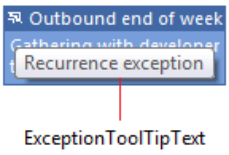
- ReminderToolTipText: the tooltip text for reminder icon
- ExceptionToolTipText: the tooltip text for recurrence exception icon
- Recurrence ToolTip
  The following text settings is used as the tooltip text of recurrence image according to its recurrence pattern:
  - DailyNDayToolTipText: the tooltip text for events which recurs every n day
  - DailyWeekDayToolTipText: the tooltip text for events which recurs every weekday
  - WeeklyToolTipText: the tooltip text for events which recurs every week
  - MonthlyToolTipText: the tooltip text for events which recurs every month
  - YearlyToolTipText: the tooltip text for events which recurs every year

  The following text settings will be combined with previous text settings if and end is specified for the recurring event:

  - EndAfterNRecurrenceToolTipText: the tooltip text for events that ends after n recurrence
  - EndByDateToolTipText: the tooltip text for events that have end date



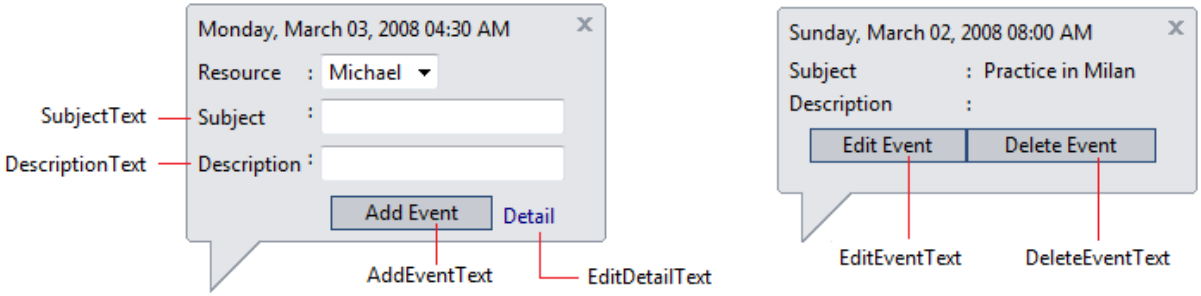




Various text settings that can be customized in CallOut are:

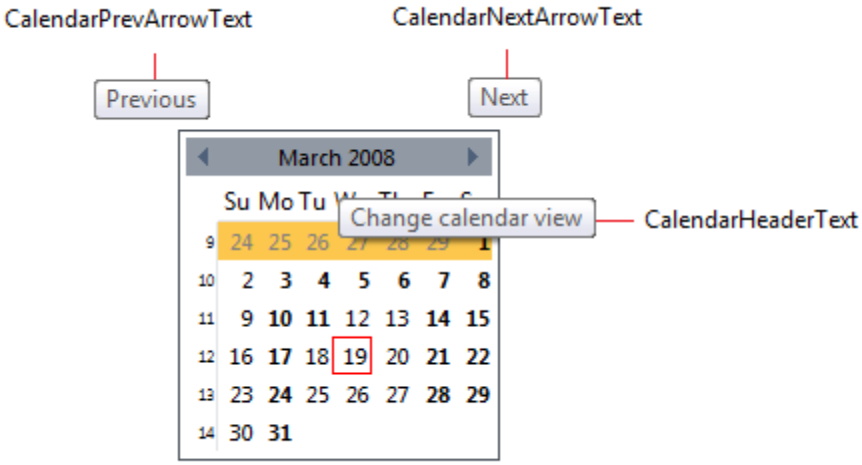
- SubjectText: the text for Subject field
- DescriptionText: the text for Desription field
- LocationText: the text for Location field
- AddEventText: the text for AddEvent button
- EditEventText: the text for EditEvent button
- DeleteEventText: the text for DeleteEvent button

- EditDetailText: the text for Detail link

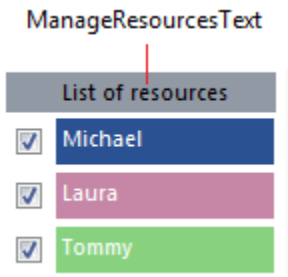


Various text settings that can be customized in calendar are:

- CalendarHeaderText: the tooltip text for calendar header
- CalendarPrevArrowText: the tooltip text for previous arrow
- CalendarNextArrowText: the tooltip text for next arrow

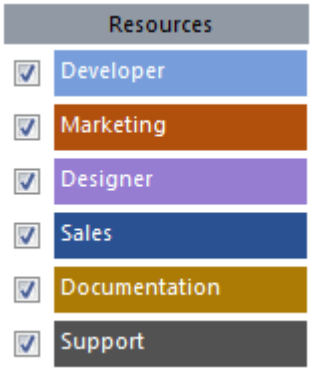


User can customize the Manage Resource text in Resources section using ManageResourcesText property.



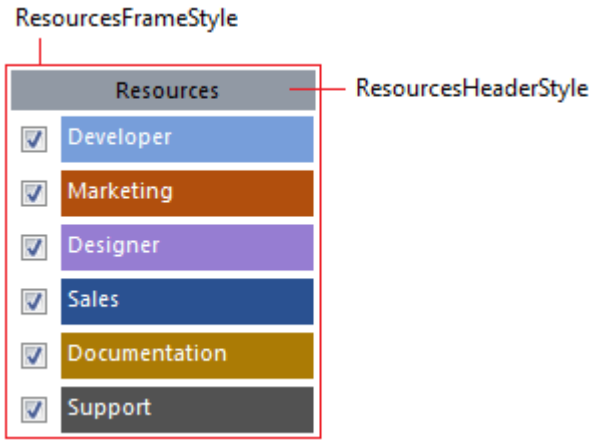
Resources

Every event belongs to a resource. The list of resources will be displayed in the Resources section under Calendar section.



Here are the styles used in Resources section:

- ResourcesFrameStyle
- ResourcesHeaderStyle



Resource Concept

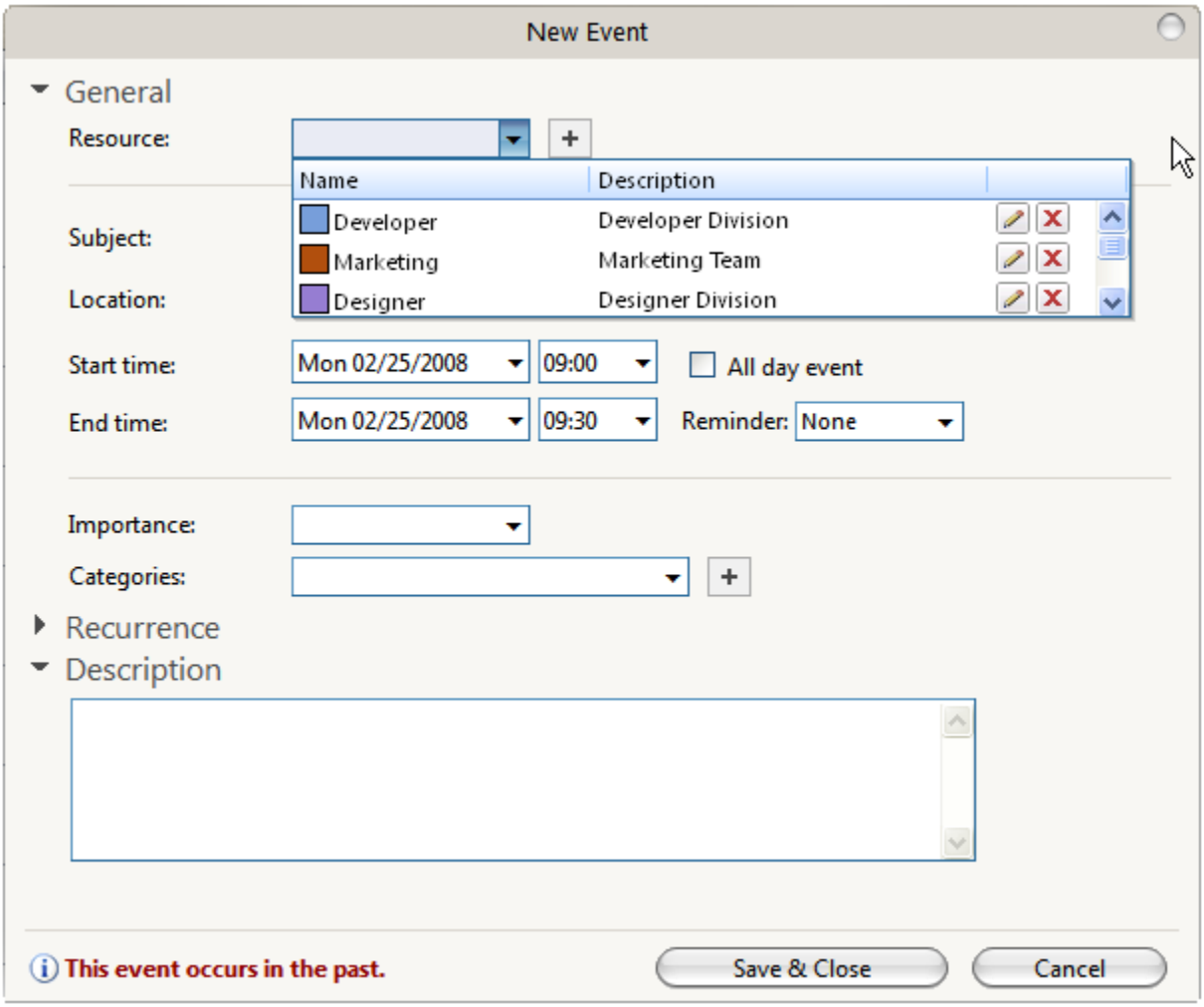
WebScheduler.NET supports multiple resources, means that user can specify more than one resource. Every event will be displayed using its resource color so user can easily differentiate which events with different resources.

If the resources are not bound, default resource will be used. All events will be added to the default resources. User will not be able to add new resource if the resources are not bound.

If the resources are bound to a table or a collection but there are no resources specified, default resource will not be used. At least one resource has to be added before user can add an event.

User can hide or show resources' events simply by clicking the resource's checkbox. When it's checked, the resource's events will be displayed, and when it's unchecked, the resource's events will be hidden.

User can manage the resources using the provided editing form. User can click the plus button to add new resource, click the edit button to edit a resource, or click the delete button to delete a resource.



User can add new resource or edit existing resource using the resource callout.

Event

Events in WebScheduler can be divided into two types:

- Time-based Event
- All-day Event

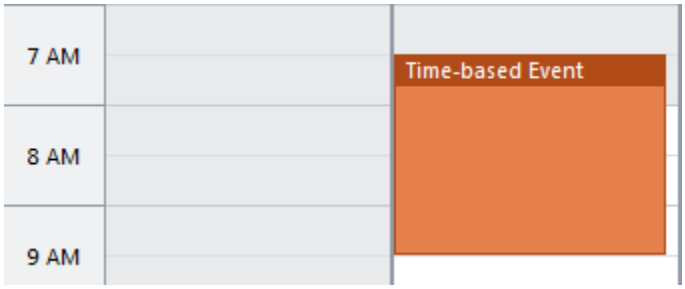
Time-based Event

Events that fall into this category are events that have start time and end time within the same day.

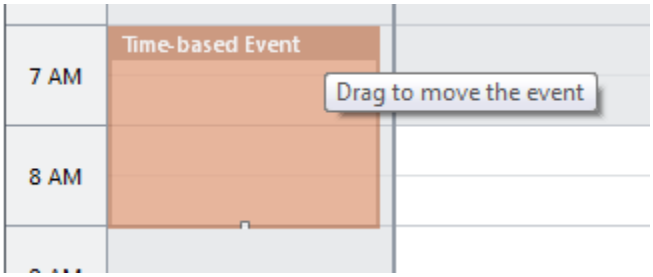
For example:
[Time-based Event]

Start Time : February 5th 2008, 7.30 AM
End Time : February 5th 2008, 8.30 AM

In Day View and Week View

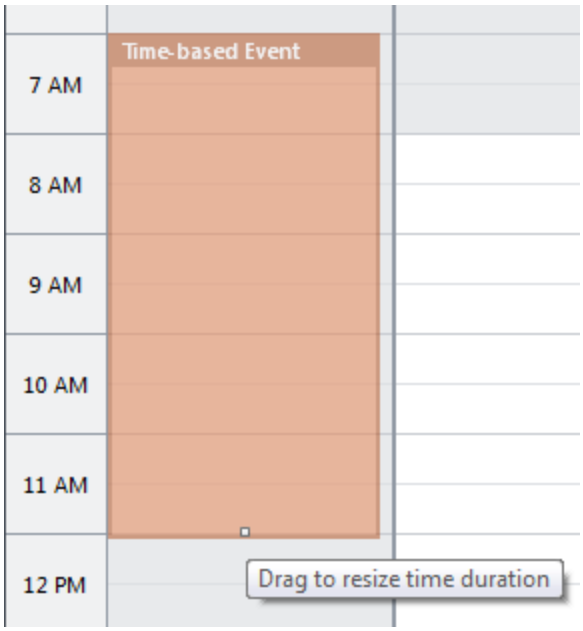


In Day View and Week View, a time-based event will be placed in the hour content area. User can move a time-based event to a specific day and / or time by dragging the item into a specific position.



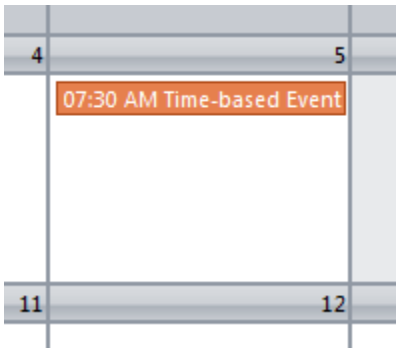
When the item is being drag, the opacity of the item will be lower like the picture above, indicating where the position will be when it is dropped.

User can also resize the item to controls its time-range / duration, by dragging the resize-indicator at the bottom of the item.

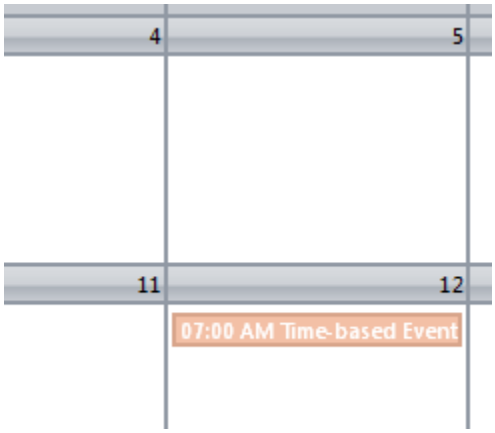


When the item is being resized, the opacity of the item will be lowered too as in the picture above, indicating the time-range / duration when it is dropped.

In Month View

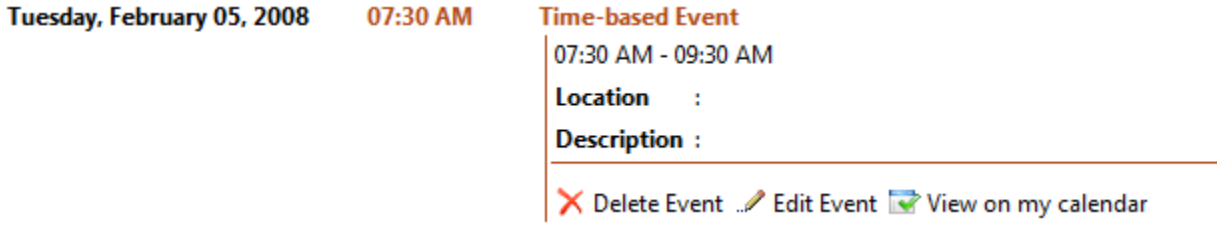


In Month View due to the nature of month view, user can't resize the time-range / duration of an item. However user can still move the item from one day to another day by drag-drop from one cell to another cell as follows.



We move item from February 5th 2008 to February 12th 2008. The start time and time-range / duration remain the same, only the date is changed.

In Agenda View



In Agenda View, user will see something like the picture above (t*he item is in* ***expanded mode***). User can collapse or expand the item by clicking the event's subject.

In ***collapse mode*** it will look as follows:

For time-based event, the item will show the start-time of that item in the header. In this case it show 07:30 AM, because the start time of the event is 07:30 AM.

As you can see there are three action buttons at the bottom of the item (*when the item is expanded*), they are:

- Delete Event button
  Delete the event from all views
- Edit Event button
  Edit the event (showing the editing form)
- View on my calendar
  Go to Day-View mode that contains the item

All-day Event

Events that fall into this category are events that marked as an all-day event or an event that has end date larger than start date.

For example:

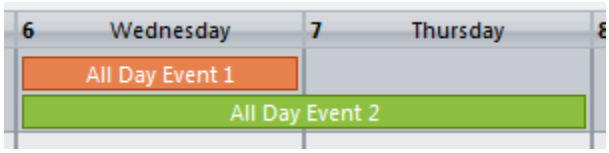
[All-day Event 1]

Start Time : February 6th 2008
End time : February 6th 2008
AllDayEvent : true

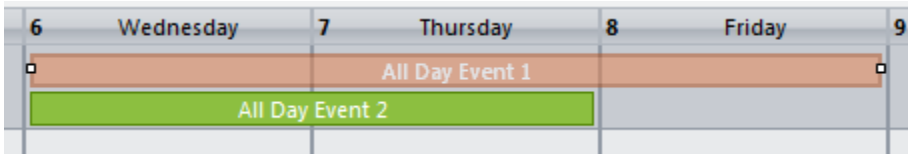
[All-day Event 2]

Start Time : February 6th 2008, 05.30 AM
End Time : February 7th 2008, 08.30 AM
AllDayEvent : false

In Day View and Week View

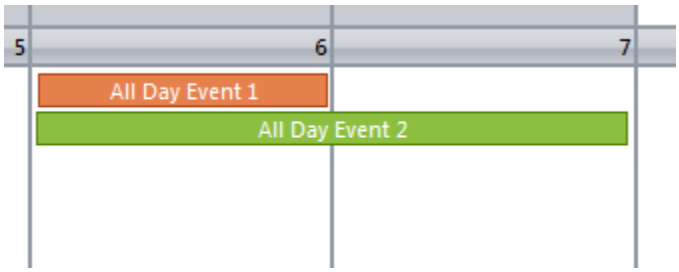


In Day View and Week View, an all-day event will be placed in the all-day event area. However, only in Week view, user can resize all-day event. User can resize the time-range or duration of specific event by dragging the left and / or right indicator of the event.

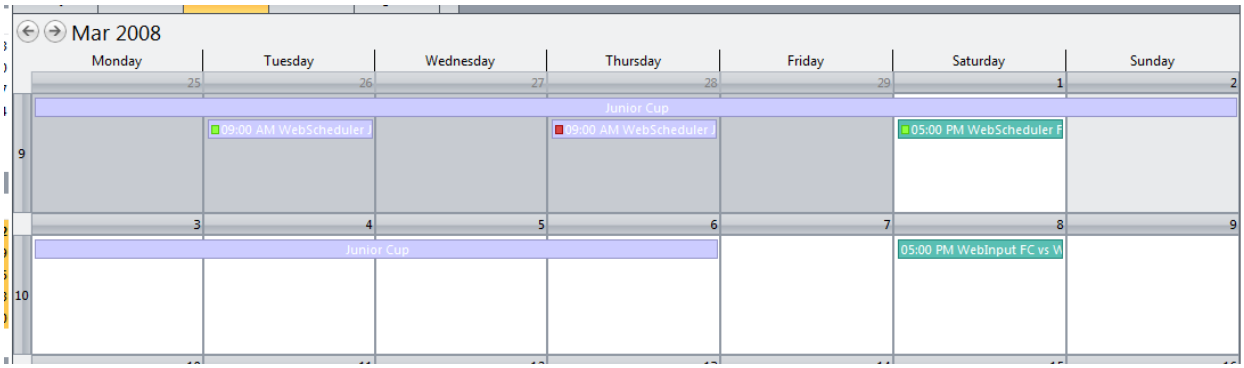


If the event's start time is beyond the current view's date range, the indicator will not be displayed. Therefore user will not be able to resize it. The same thing applied when the event's end time is beyond the current view's date range, the indicator will not be displayed too.

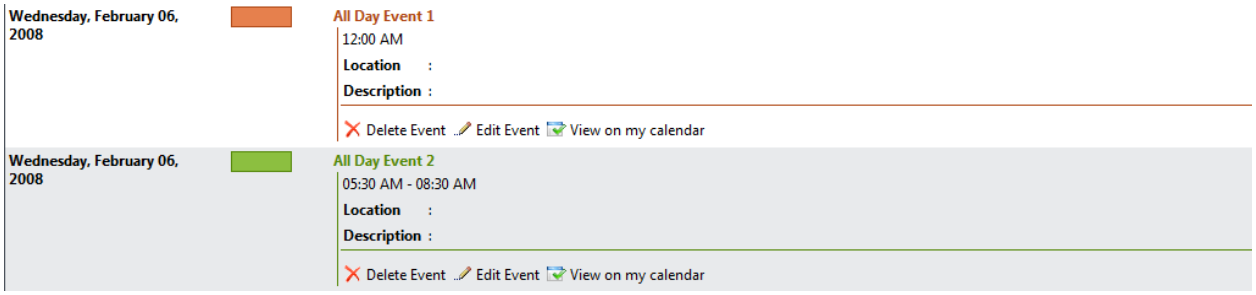
In Month View



In Month View user can't perform any action to an all-day event. When the time-range is quite large it will be expanded to other rows as follow.

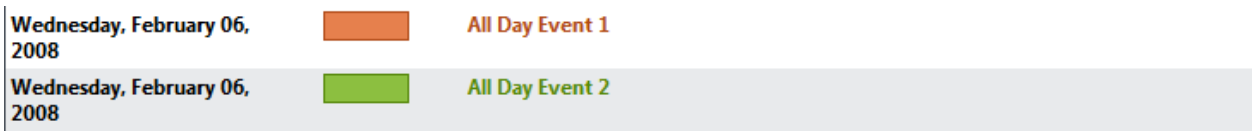


In Agenda View



In Agenda View, user will see something like the picture above (t*he item is in* ***expanded mode***). User can collapse or expand the item by clicking the header of the item.

In ***collapse mode*** it will look as follows:



For all-day event, the item will show a square indicating that the item is an all day event item.

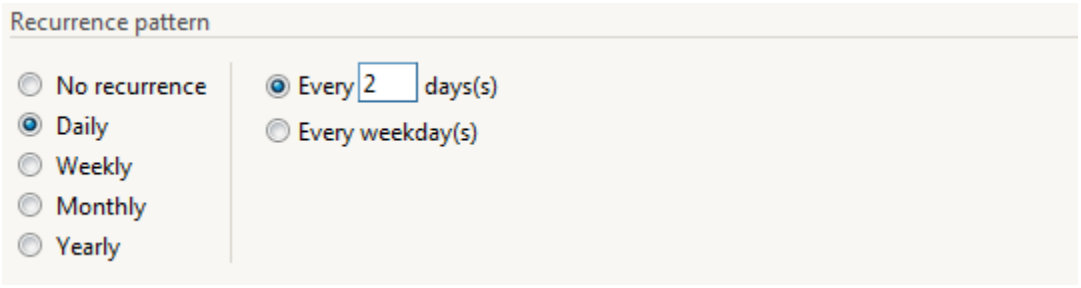
Recurring Events

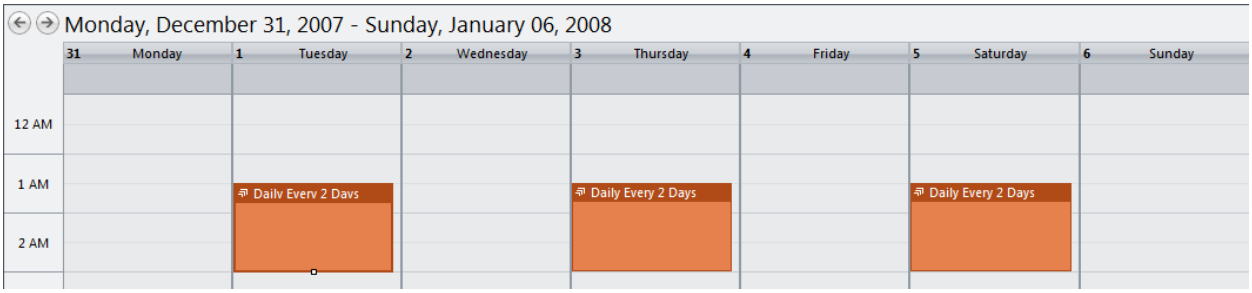
WebScheduler.NET also supports a recurring event. There are five types of recurrence that supported by WebScheduler.NET:

- Daily [Every x days]
- Daily [Every week days]
- Weekly
- Monthly
- Yearly

Daily [Every x days]

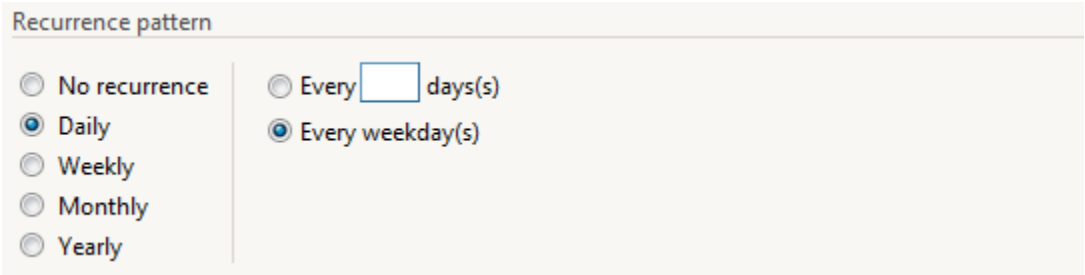
In Daily [Every x days], the event will recur every x days starting from the original event's start time.

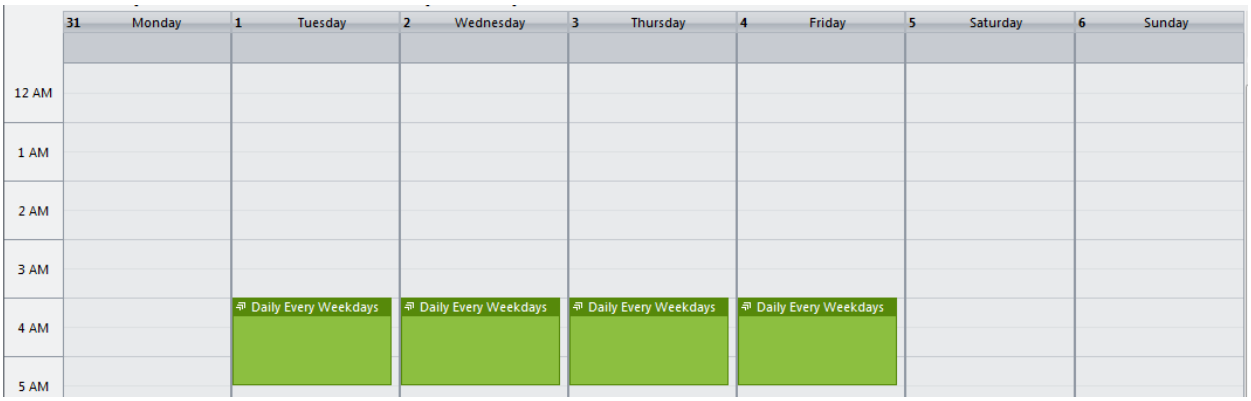




Daily [Every week days]

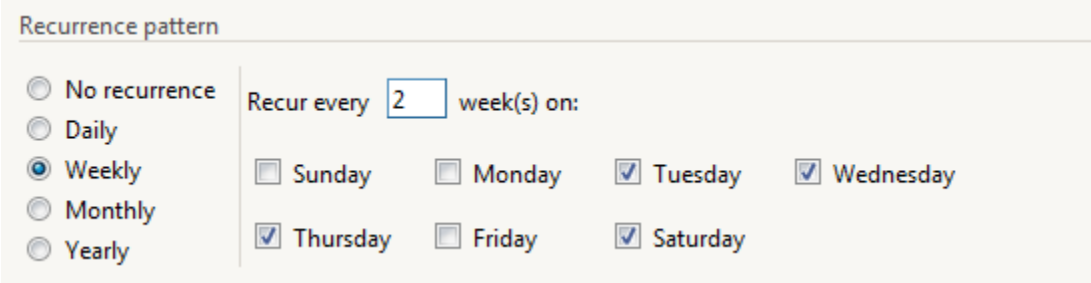
In Daily [Every week days], the event will recur every week day starting from the original event's start time. Days that are categorized as week days are Monday, Tuesday, Wednesday, Thursday and Friday.

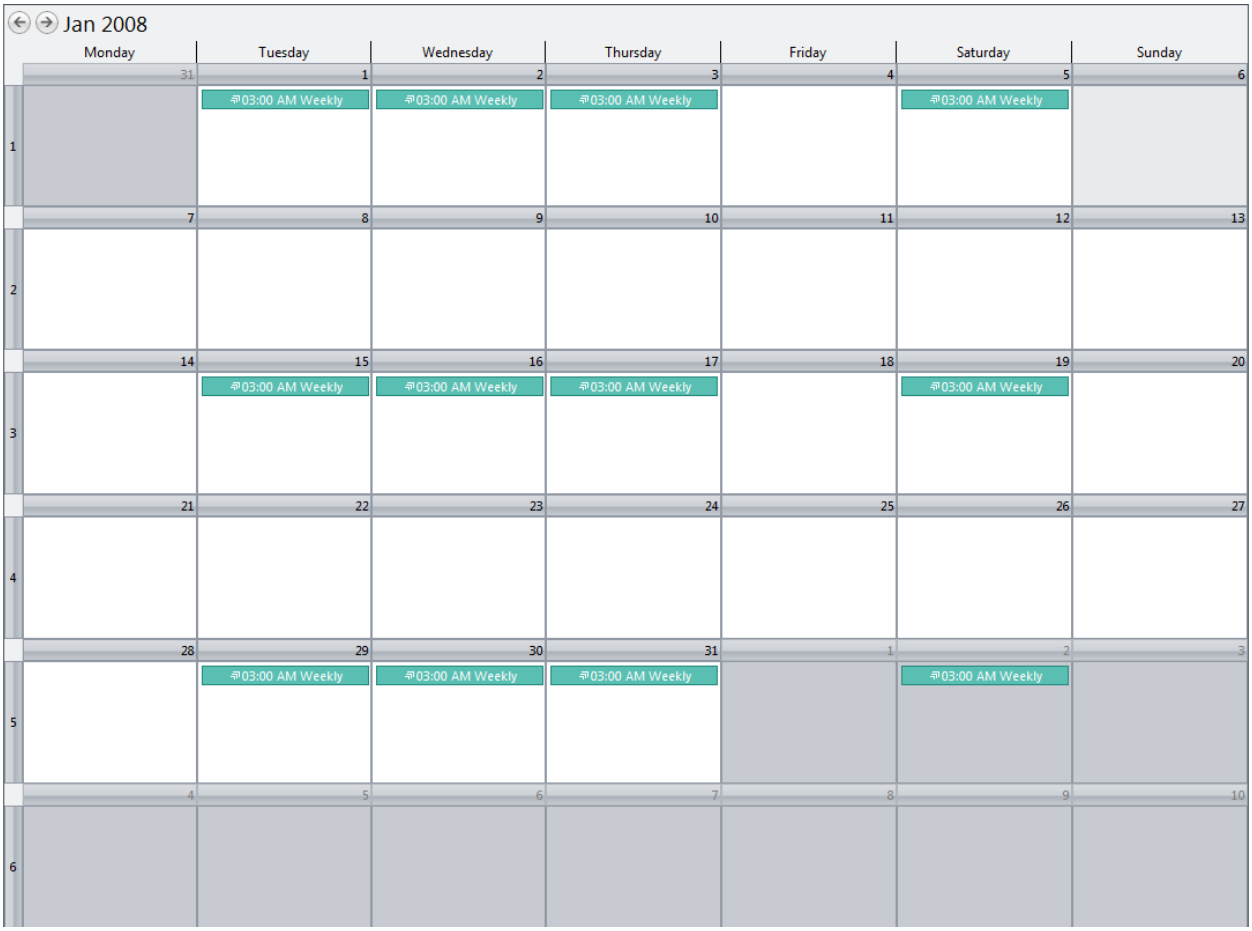



31 Monday
1 Tuesday
2 Wednesday
3 Thursday
4 Friday
5 Saturday
6 Sunday
12 AM
1 AM
2 AM
3 AM
4 AM
5 AM
Daily Every Weekdays
Daily Every Weekdays
Daily Every Weekdays
Daily Every Weekdays

Weekly

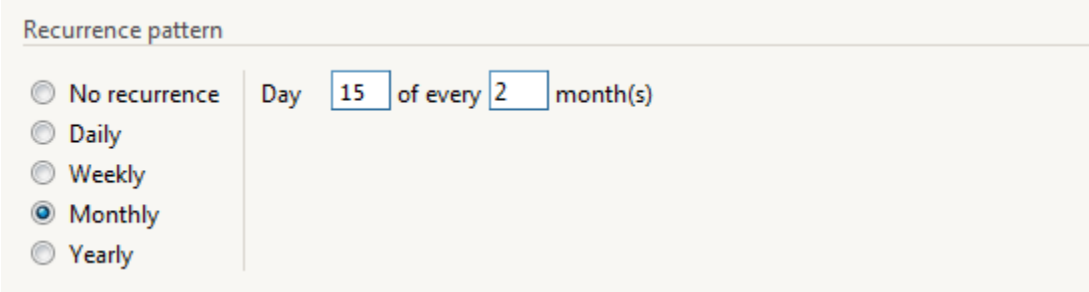
In Weekly recurrence pattern, you can determine on what day that the event will recur. You can also specify when it will recur (every x weeks).

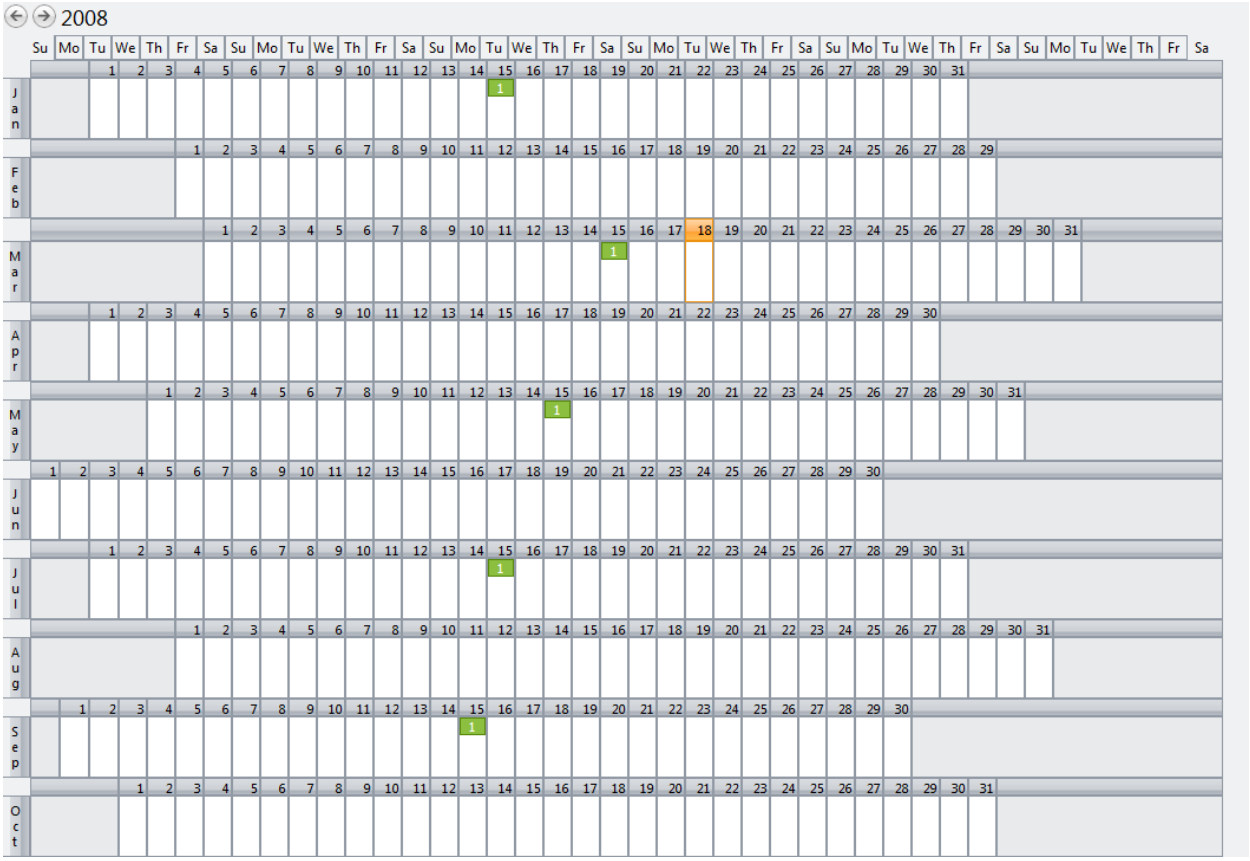




Monthly

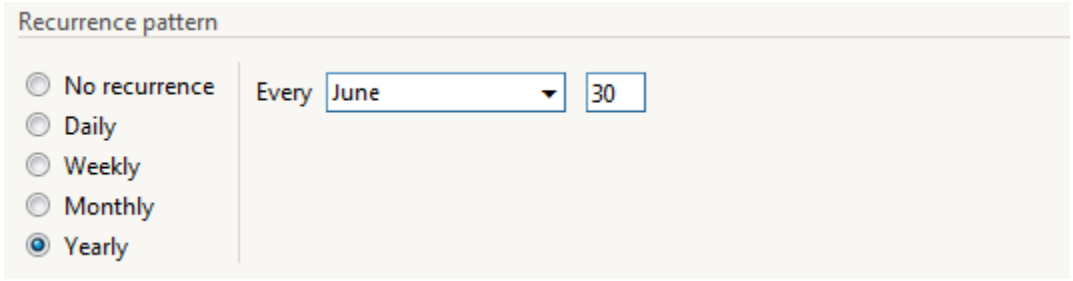
In Monthly recurrence pattern, you can determine on what day and every what month the event will recur.

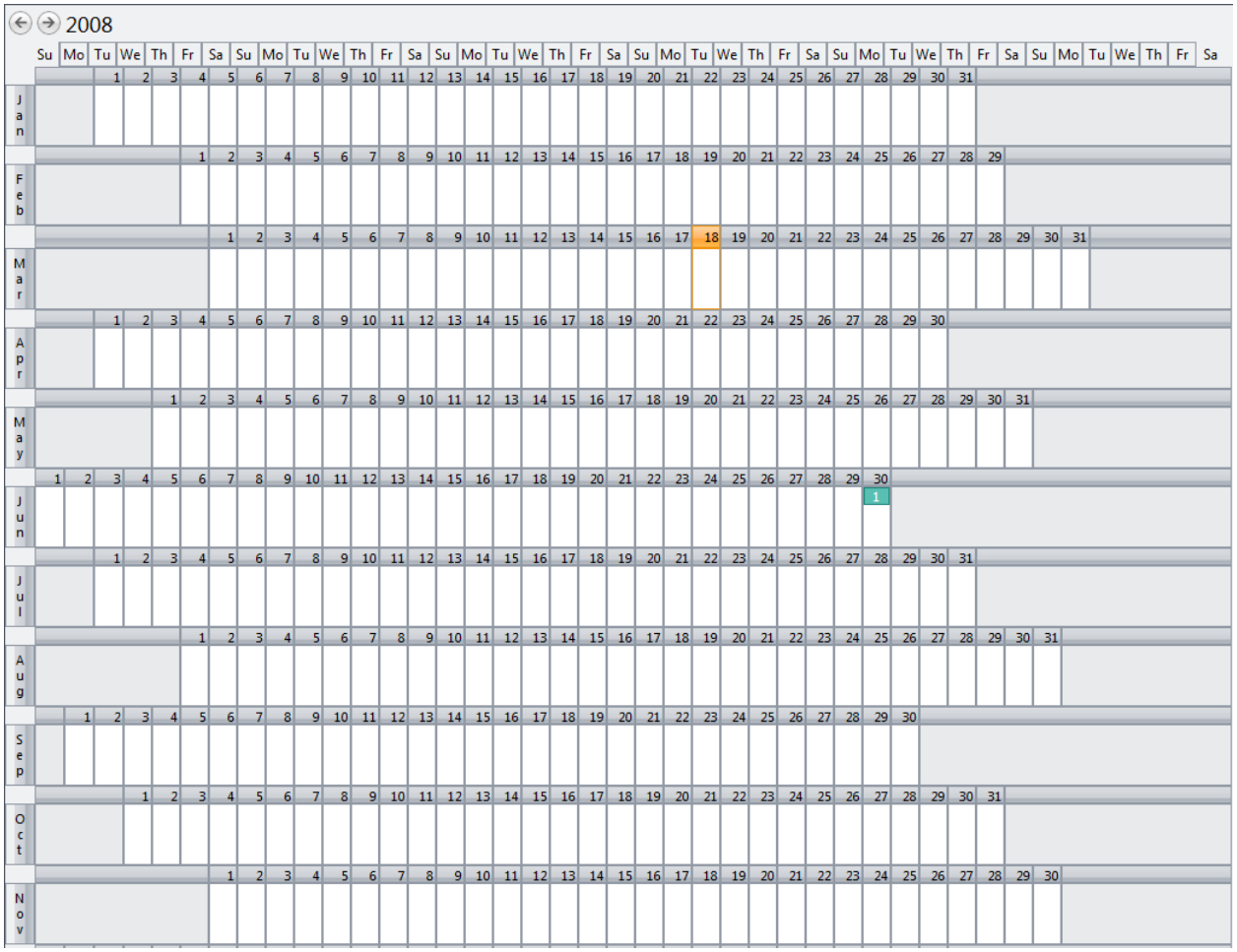




Yearly

In Yearly recurrence pattern, you can determine on what specific day and month the event will recur every year.

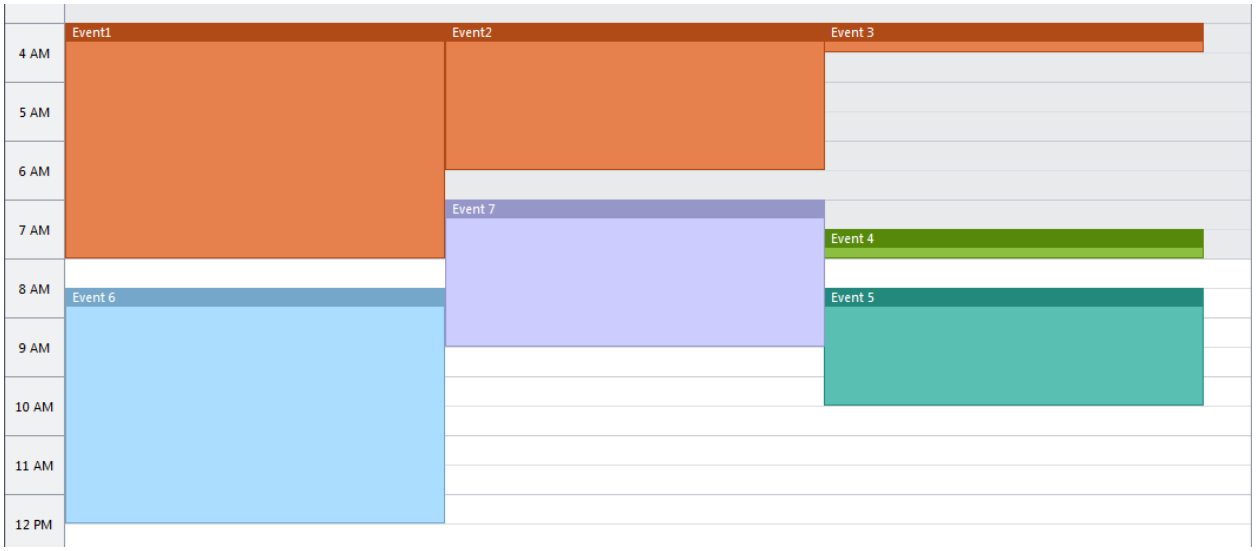




Overlapping Concept

WebScheduler.NET offers sophisticated overlapping resolution. When some events overlapped each other, WebScheduler.NET's rendering engine will sort-out an overlapping resolution so all the events can still be visible.

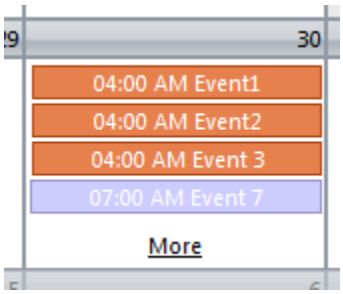
Day View and Week View



This is a sample result when we placed some events that overlapped each other in day view.

Month View

In month view, all the events in a specific day will be placed in one cell. If the events is quite large (larger than the space available, there will be a more button where user can use to show all the events.



Event Caching Mechanism

When a data is loaded, it will be saved in temporary cache. The cache is differentiated per view, and each cache per-view will hold up to twelve block of data as illustrated below.

Day View	[2008.01.01] [2008.01.02] [2008.05.05] [2008.05.06] [2008.07.07] [2008.07.11] [2008.08.15] [2008.09.20] [2008.11.21] [2008.11.22] [2008.11.23] [2008.11.24]
Week View	{Empty}
Month View	[2008.03] [2008.04] [2008.05]
Quarter View	{Empty}
Year View	{Empty}
Agenda View	{Empty}

When a new event is loaded up and the cache is already full (12 items already), the first item in the cache will be discarded, following a concept of FIFO (First In First Out).

During some data editing process, there will be a smart cache validation that will also update the data on other cache or will invalidate the caches.

Event Styles

The style used in All-day event is AllDayEventStyle.

Here are the styles used in time-based event (TimeBasedEventStyle):

- HeaderStyle
- ContentStyle