

What's New

Essential Studio User Interface Edition
2012 Volume 2



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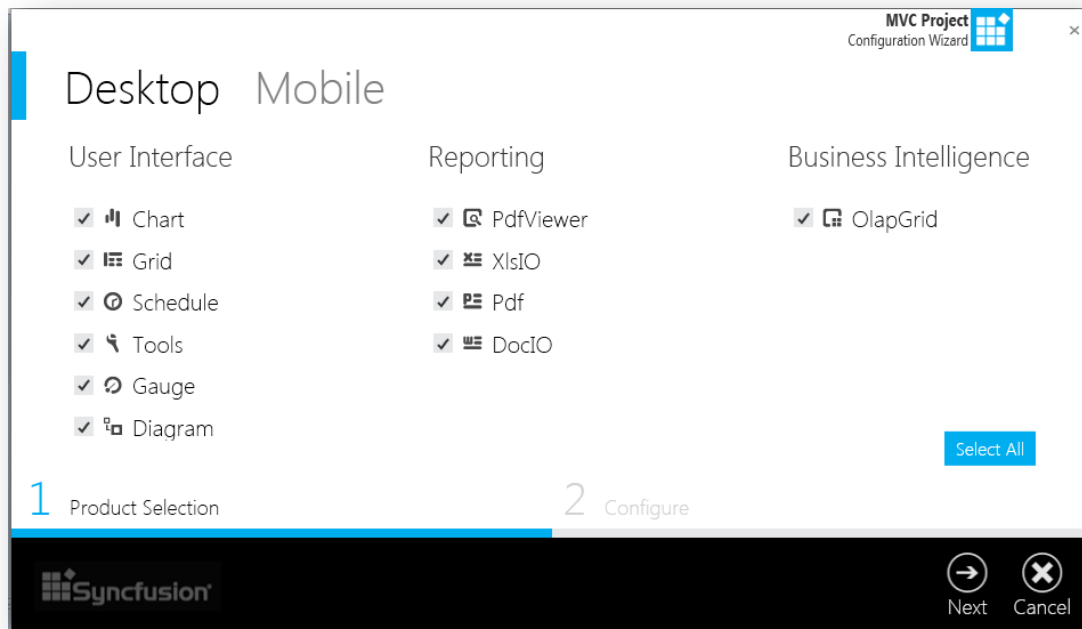
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ASP.NET MVC

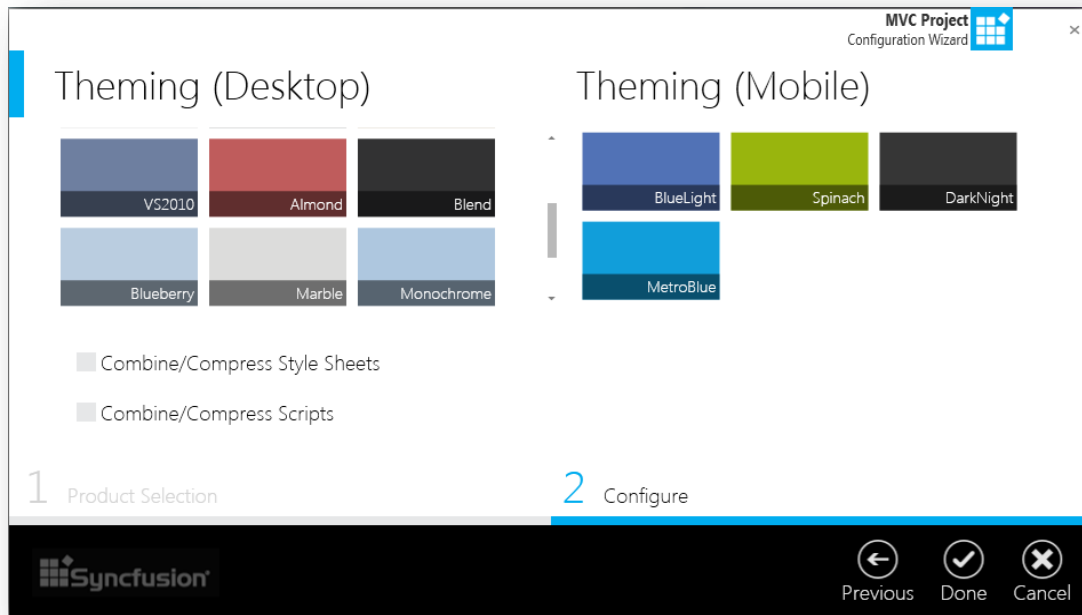
- All ASP.NET MVC Products

Visual Studio Wizard for Project Creation and Manipulation

When users select products from the MVC Project Configuration Wizard, a template automatically adds the respective assemblies and references to the application based on control type and theme. This feature also supports creating mobile or hybrid applications with a template.



Selecting Desktop or Mobile Project

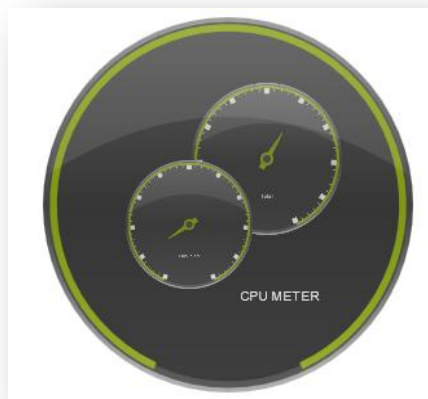


Selecting Syncfusion Themes

- Essential Gauge

Sub-Gauges

By utilizing a sub-gauge, two gauges can be rendered together, one nested inside the other. This allows you to visualize two different data types within the same space. With this feature, you can render any type of gauge inside another and still customize the gauges separately.






Sub-Gauges in a Circular Gauge

■ Essential Grid

Merging Cells

You can merge adjacent cells in a grid and still perform sorting and grouping on columns containing merged cells. All the support you find in a normal cell can be found in merged cells, giving you better control over the layout of information in a grid.

| Employee Photo | City | Country | Home Phone |
|--|----------|---------|----------------|
|  | Seattle | USA | (206) 555-9857 |
|  | Seattle | USA | (206) 555-9857 |
|  | Kirkland | USA | (206) 555-3412 |

Merged Cells in a Grid

Data Table Support

Essential Grid supports data tables in two modes: server and JSON. Both modes allow sorting, grouping, and all the other basic functions you would expect in a grid, but with JSON mode, data rendering occurs on the client side, greatly improving grid performance.

Drag a column header here to group by that column

Orders: 830 Items

| OrderID | RequiredDate | Freight | ShipName | ShipCountry |
|---------|--------------|----------|----------------------------|-------------|
| 10248 | 08/01/1996 | 32.3800 | Vins et alcools Chevalier | France |
| 10249 | 08/16/1996 | 11.6100 | Toms Spezialitäten | Germany |
| 10250 | 08/05/1996 | 65.8300 | Hanari Carnes | Brazil |
| 10251 | 08/05/1996 | 41.3400 | Victuailles en stock | France |
| 10252 | 08/06/1996 | 51.3000 | Suprêmes délices | Belgium |
| 10253 | 07/24/1996 | 58.1700 | Hanari Carnes | Brazil |
| 10254 | 08/08/1996 | 22.9800 | Chop-suey Chinese | Switzerland |
| 10255 | 08/09/1996 | 148.3300 | Richter Supermarkt | Switzerland |
| 10256 | 08/12/1996 | 13.9700 | Wellington Importadora | Brazil |
| 10257 | 08/13/1996 | 81.9100 | HILARION-Abastos | Venezuela |
| 10258 | 08/14/1996 | 140.5100 | Ernst Handel | Austria |
| 10259 | 08/15/1996 | 3.2500 | Centro comercial Moctezuma | Mexico |

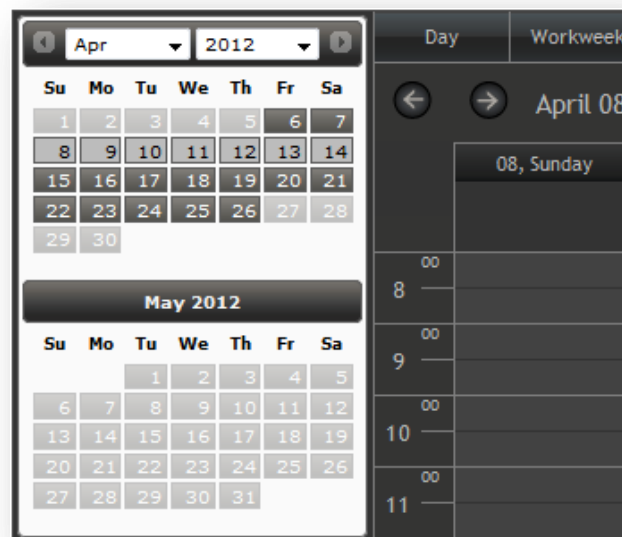
Page 1 of 70 pages

Grid with Data Table Support

- Essential Schedule

Support for Date Ranges

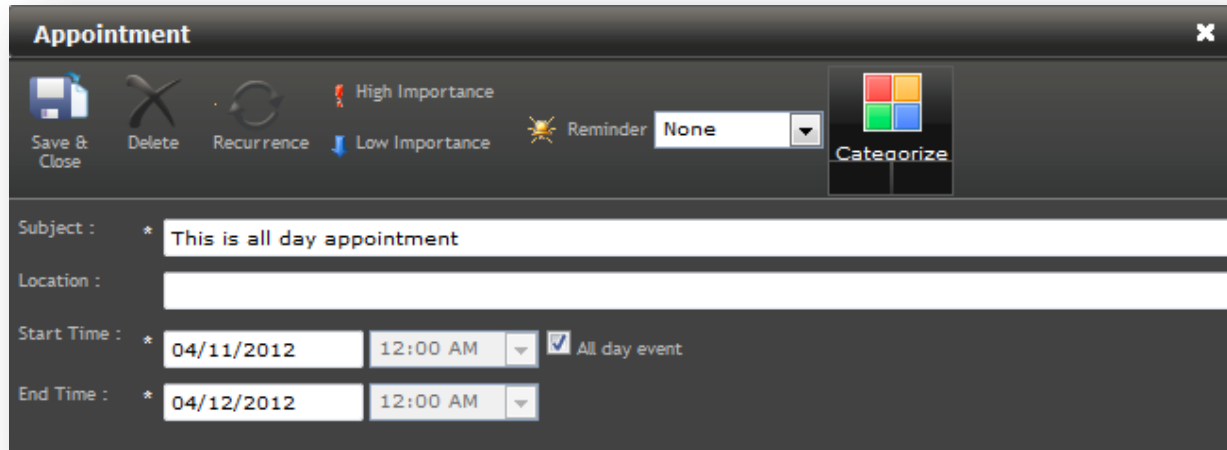
You can set minimum and maximum dates to create a range of dates that can be selected in a schedule. The date range can be set relative to the current date or as a fixed range.



Selectable Date Range

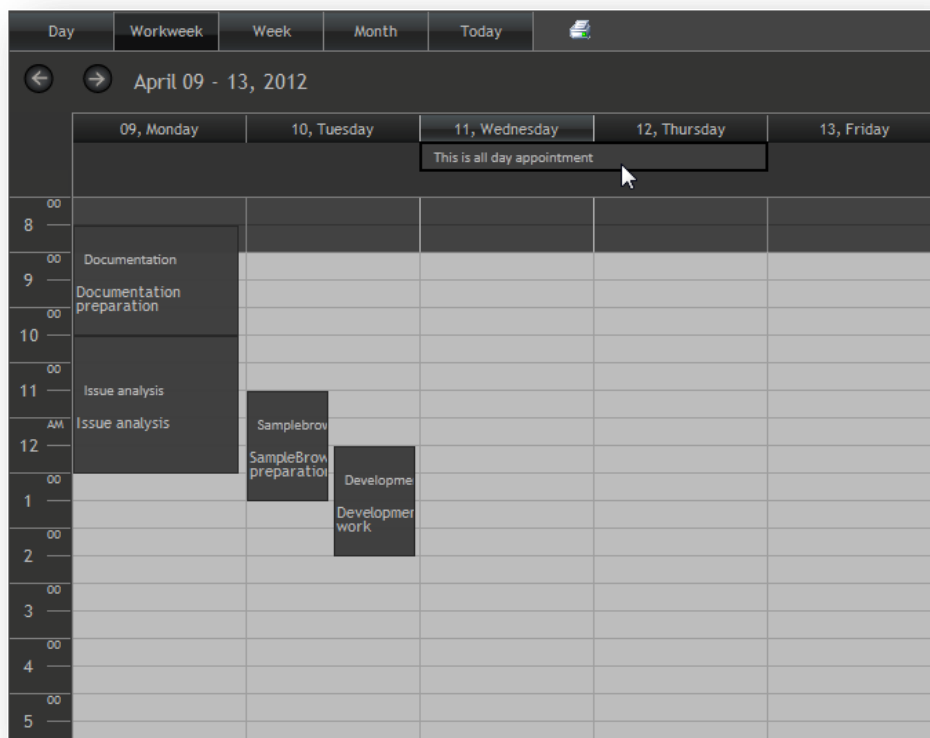
All-Day Appointments

With all-day appointments, you can create an engagement spanning an entire day or longer. This is useful when marking events such as tradeshow or holidays that persist for an extended time. All-day appointments have all the functionality found in normal appointments.



The screenshot shows an "Appointment" dialog box with a dark theme. At the top, there are several icons: "Save & Close", "Delete", "Recurrence", "High Importance" (with a red exclamation mark), "Low Importance" (with a blue downward arrow), "Reminder" (with a sun icon), and "Categorize" (with a multi-colored square icon). The "Reminder" dropdown menu is set to "None". Below the icons, the "Subject" field contains the text "This is all day appointment". The "Location" field is empty. The "Start Time" is set to "04/11/2012" at "12:00 AM", and the "End Time" is set to "04/12/2012" at "12:00 AM". A checkbox labeled "All day event" is checked.

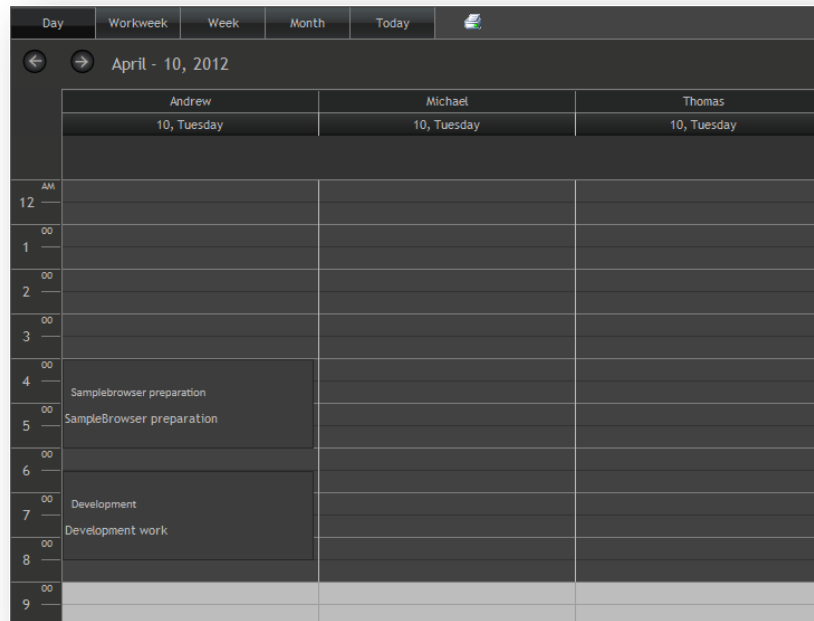
Creating an All-Day Appointment



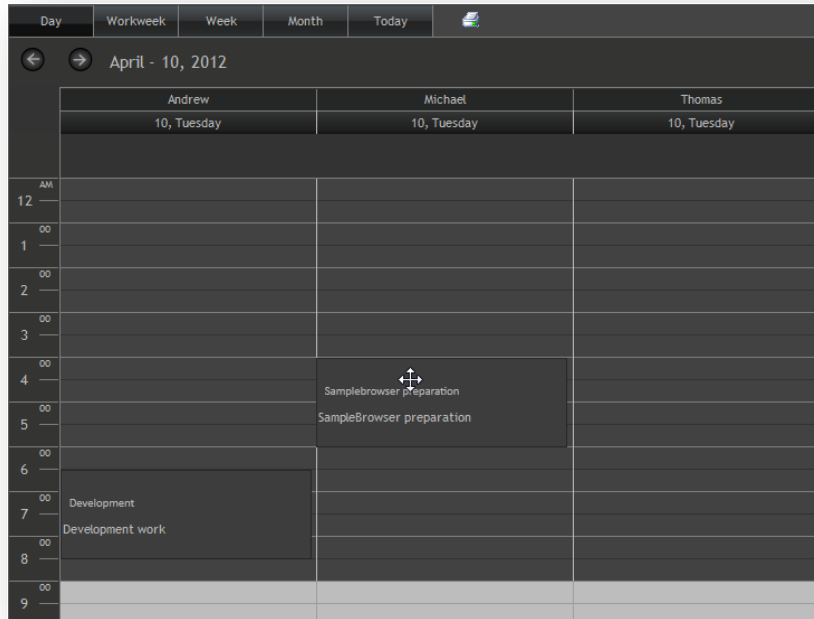
All-Day Appointment in the Schedule Control

Dragging Appointments between Resources

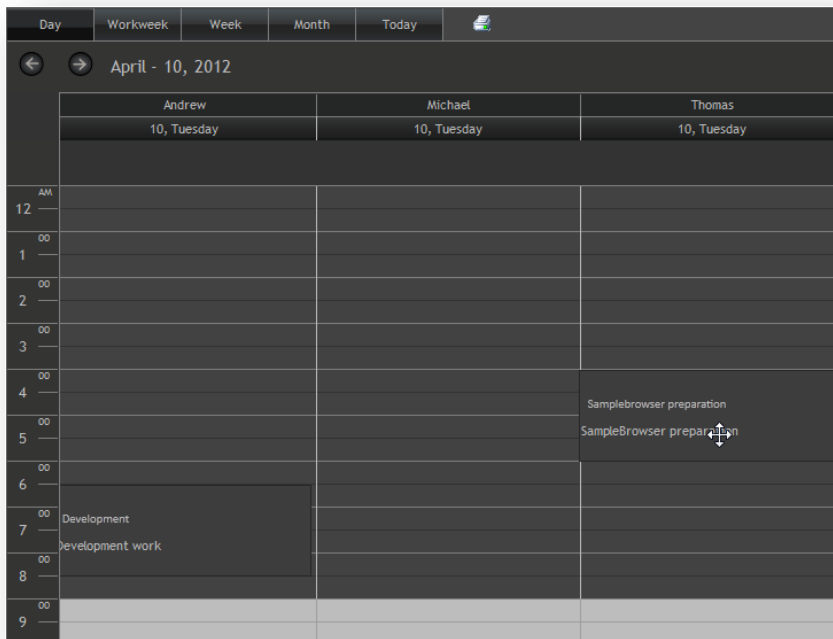
An appointment can be dragged from one resource to another. For example, an appointment can be moved from one person's schedule to the schedule of another by simply dragging and dropping the appointment. The date and time of a moved appointment will be updated accordingly.



Before Moving an Appointment



Dragging an Appointment across Resources



Dragging an Appointment onto a Different Resource

Customized Date Highlighting

The navigation panel in the Schedule control can highlight dates to indicate coming events. This highlighting can easily be customized apart from the default styles.



Calendar Navigation with Default Highlighting

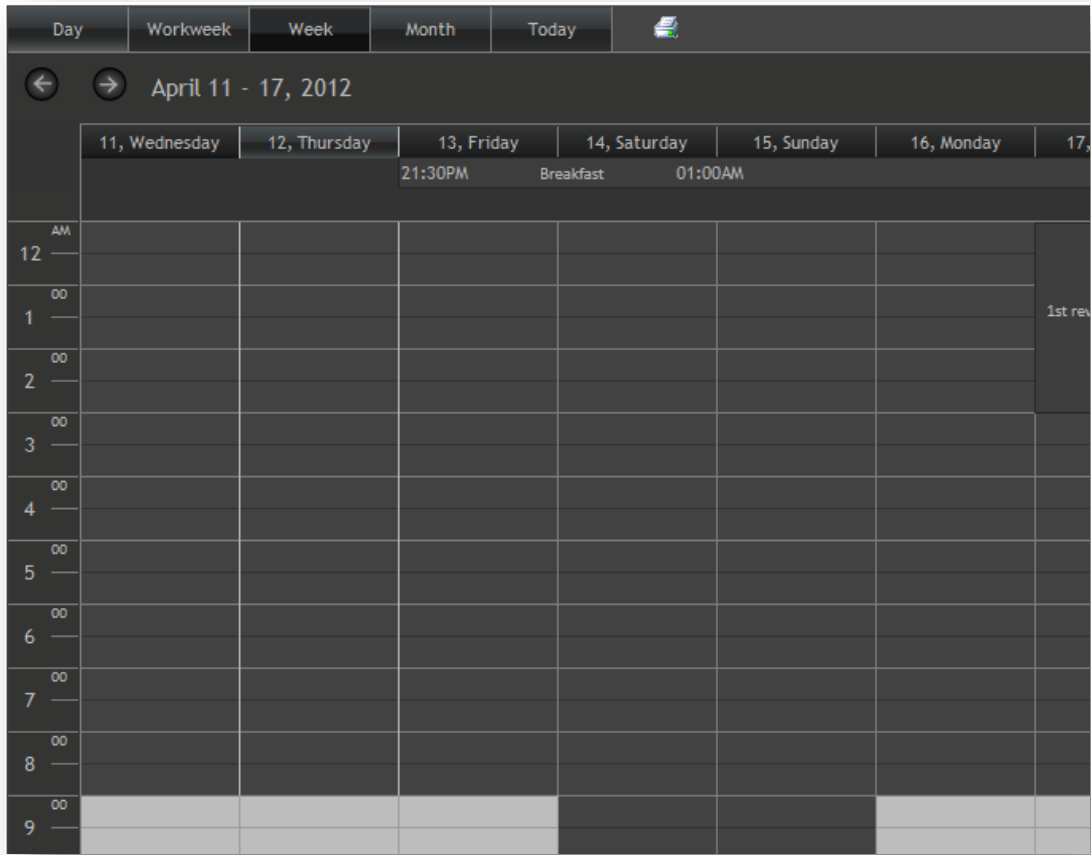


Calendar Navigation with Customized Highlighting

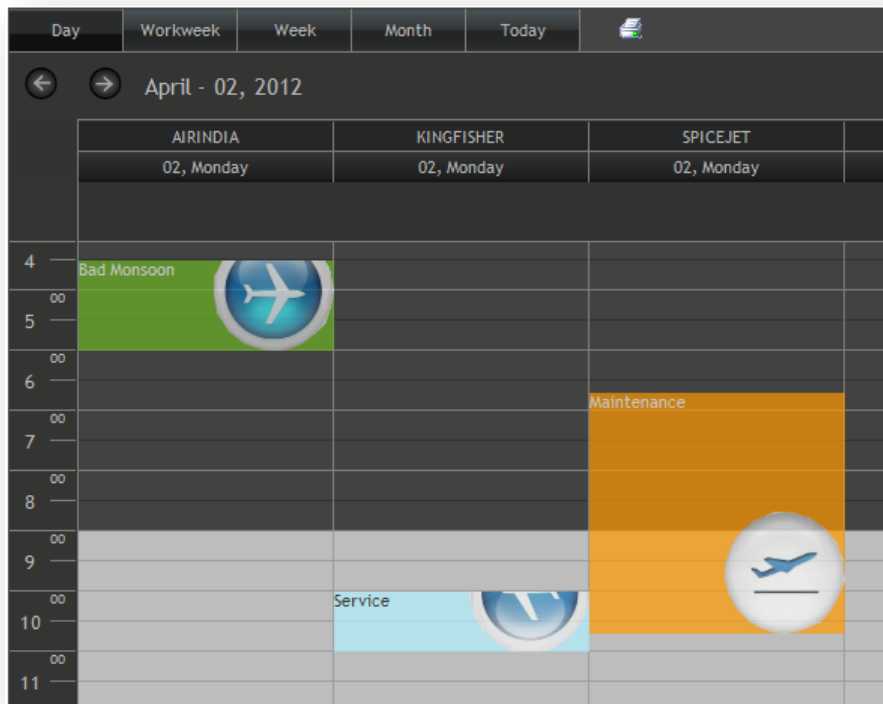
Customizing the Schedule View

The viewable area of a schedule can be customized to show times within a certain range. You can also start a week on a day different from the default.

Time frames can also be blocked to prevent appointments from being added at specific times. Blocked time frames can be set to recur daily. The customization options for the Schedule control are differentiated enough that time frames can be specified to the minute, and background colors and images can be customized using custom CSS.



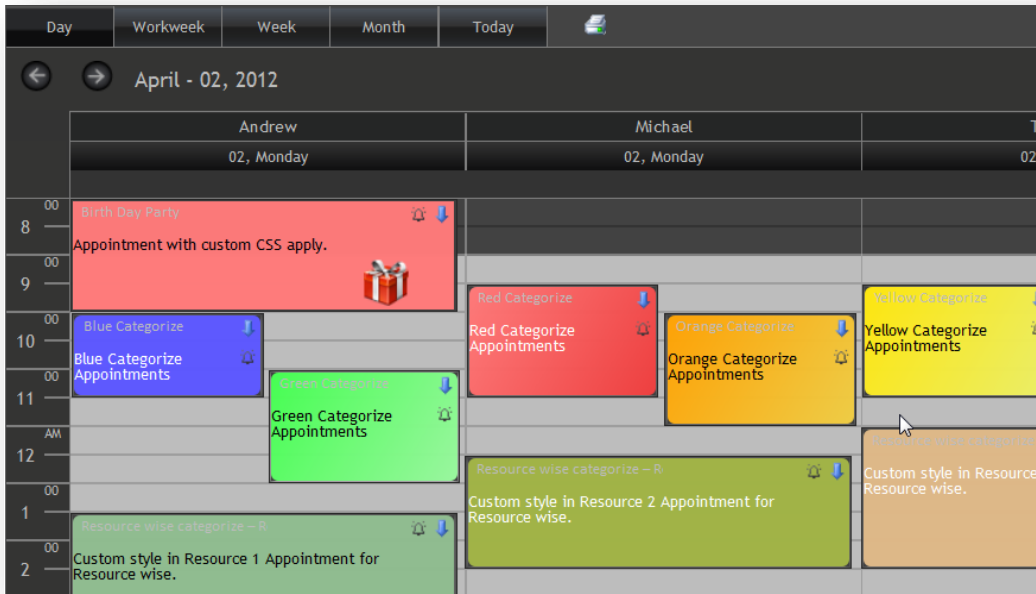
Schedule Displaying a Set Range



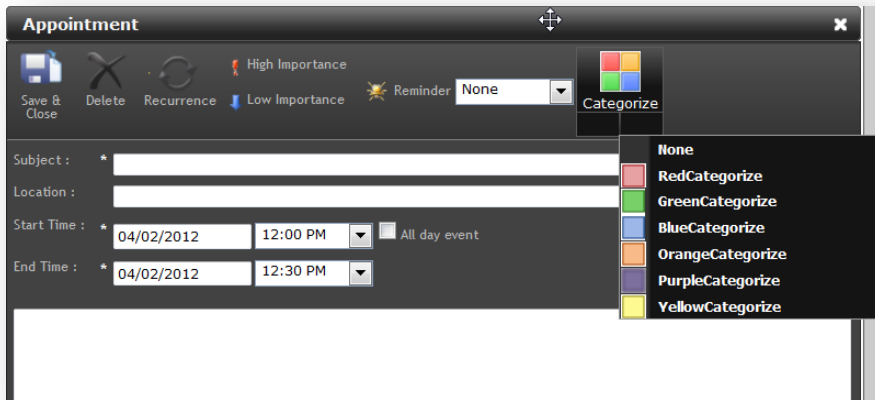
Schedule with Blocked Appointments

Customizing Appointment Appearance

The background, font style, and other visual elements of appointments can be customized based on resource, category, or custom CSS. This customization can be used to change the default appearance settings as well to help to distinguish certain appointments from others.



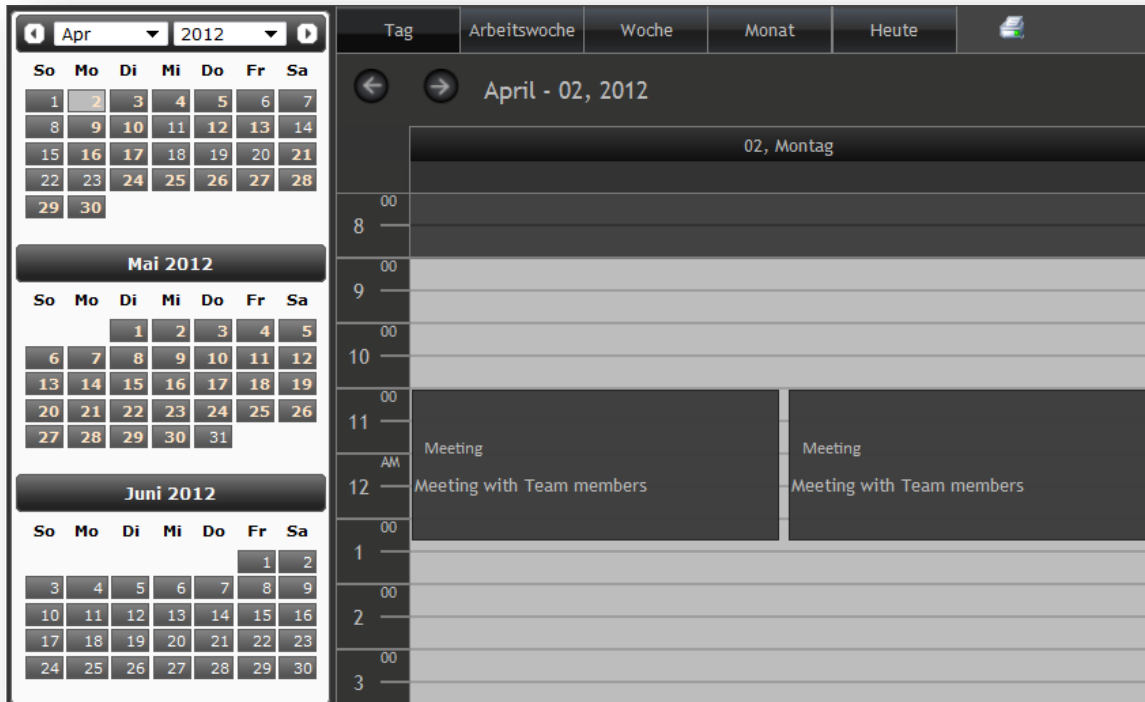
Appointment Customization for Different Resources and Categories



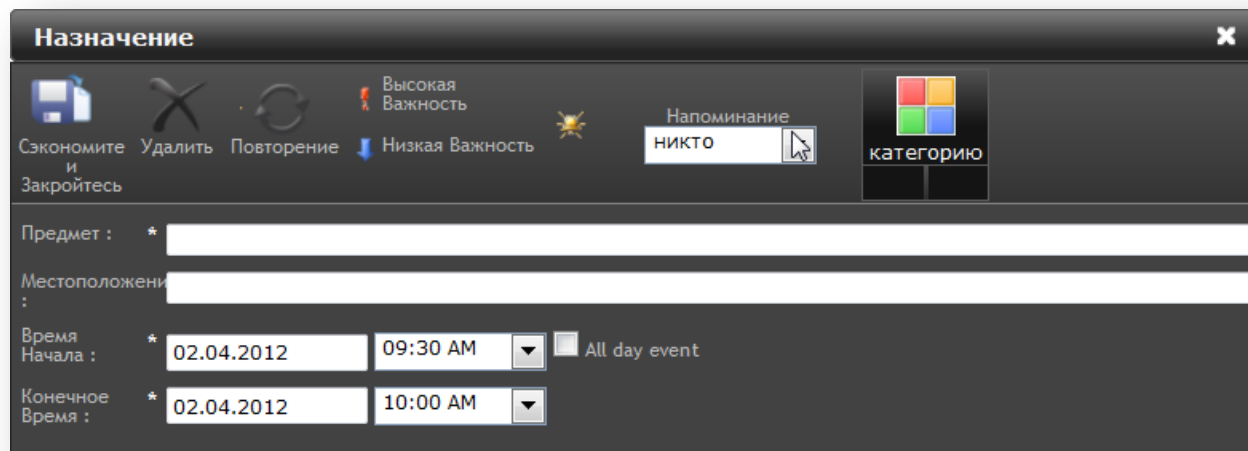
Selecting a Custom Color for a Category

Localization Support

The Schedule control supports localization, letting you choose which language the user interface elements will be displayed in. Most aspects of the user interface can be localized, including time formats and event reminders.



Schedule Control Localized to German



Localized Event Reminders

Повторение

Продолжительность Назначения

Начало: 09:30 AM

Конец: 10:00 AM

Образец Повторения

Ежедневно
 Еженедельно
 Ежемесячно
 Ежегодно

Every 1 День(s)

Диапазон Повторения

Начало: 02.04.2012 Конец: 02.04.2012

Localized Time Format

Назначение

Высокая Важность
 Низкая Важность

 Напоминание
 НИКТО

 категорию

Предмет : *

Местоположение :

Время Начала : * 02.04.2012 10:00 AM All day event

Конечное Время : *

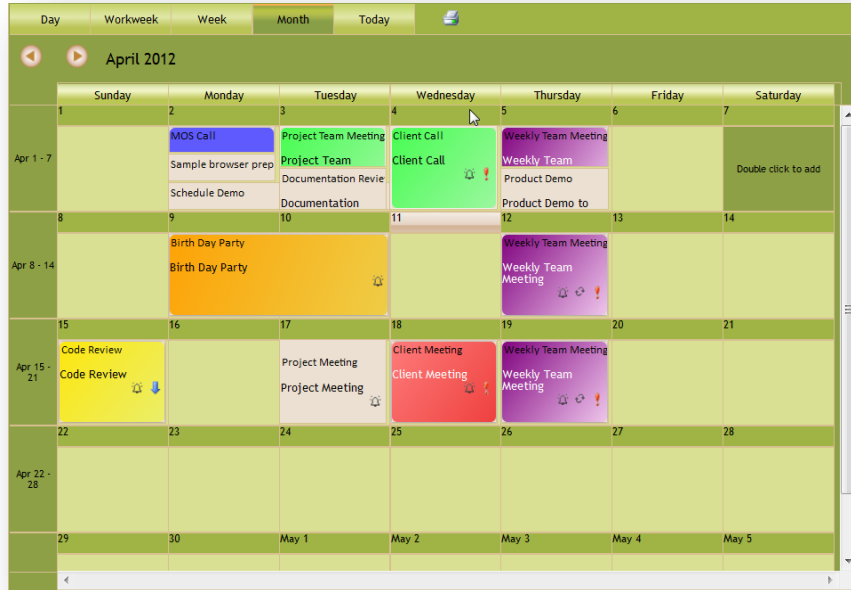
Apr 2012

| Вс | Пн | Вт | Ср | Чт | Пт | Сб |
|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | | | | | |

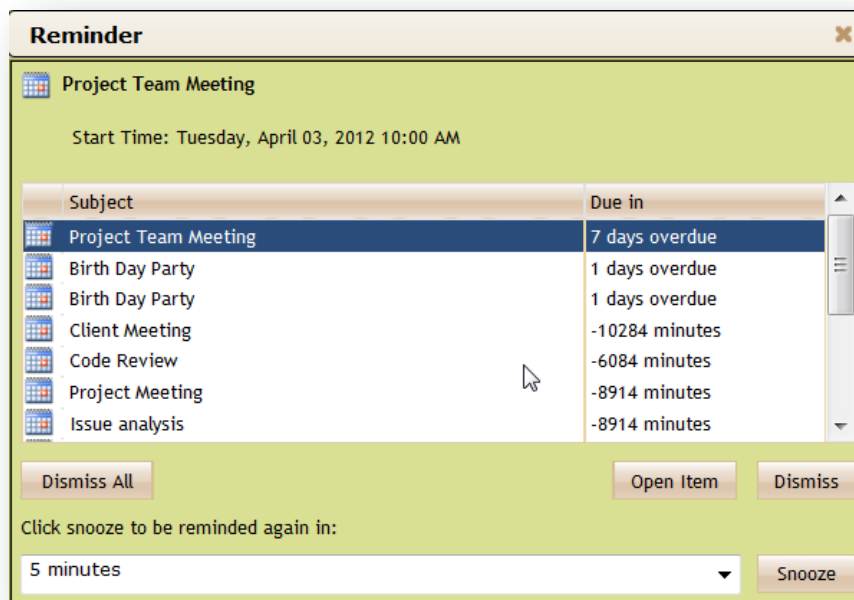
Localized Calendar

Support for Custom CSS

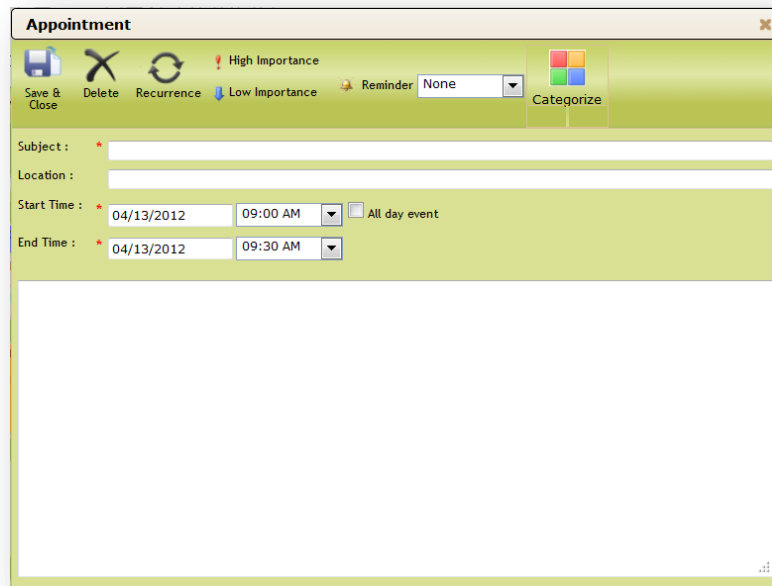
In addition to having 14 built-in skins, the look and feel of the Schedule control can be customized using your own CSS. Even default styles can be customized in this manner.



Schedule Control Customized through CSS



Customized Reminders



Customized Appointment Dialog

```

.schedule_custom .NavigationPane
{
    font-size:10px;
}

.schedule_custom .ui-datepicker-group
{
    width:100%;
}

.schedule_custom .DayImage,
.schedule_custom .WeekImage,
.schedule_custom .WorkWeekImage,
.schedule_custom .MonthImage,
.schedule_custom .TodayView,
.schedule_custom .ImportIcon,
.schedule_custom .ExportIcon
{
    background-image:url(../Content/Images/Greenish_sprite.png);
    background-repeat:repeat-x;
    line-height :15px;
    background-color:#e0d1a8;
    border-right: 1px solid #d7bf92;
}

```

Customization through CSS

Mobile MVC

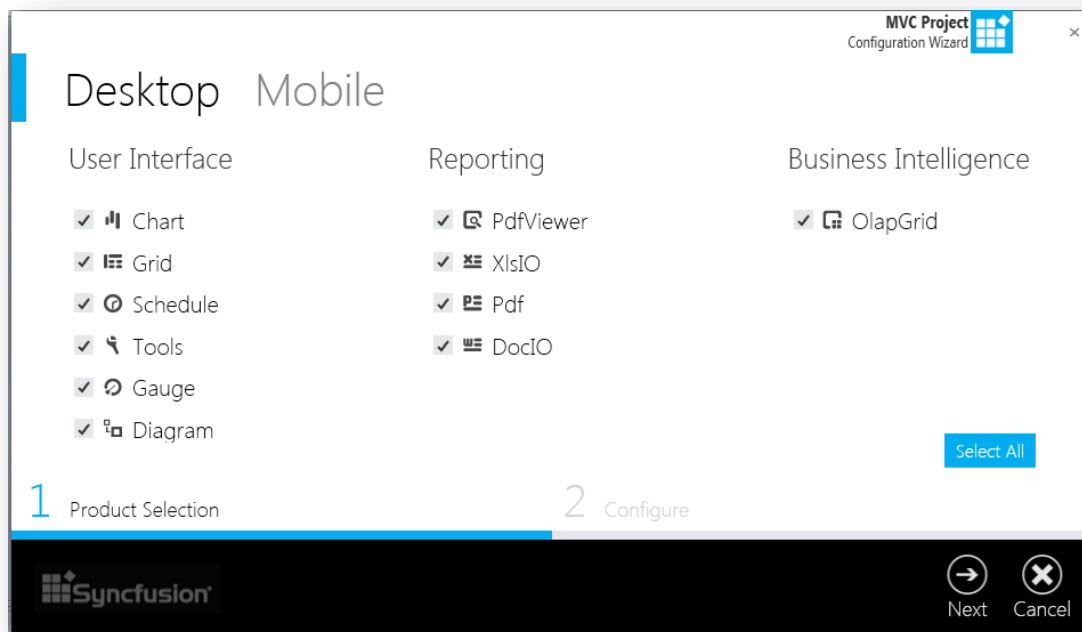
■ All Mobile MVC Products

Touch Support for BlackBerry

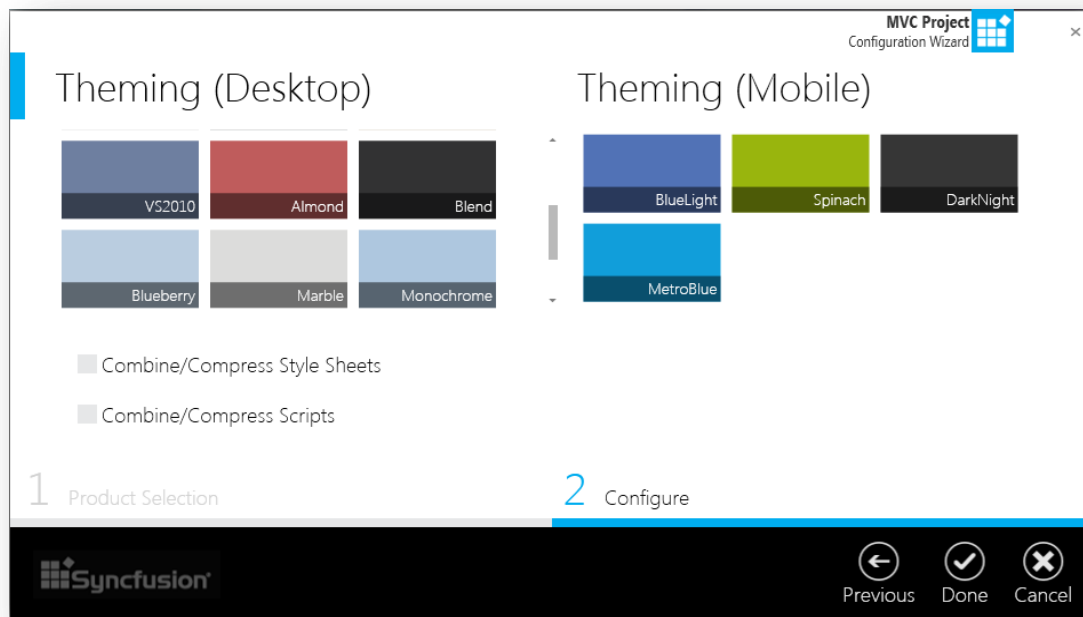
Full touch support for BlackBerry devices is now available in all Mobile MVC controls, giving you more devices to target with your Web-based applications.

Visual Studio Wizard for Project Creation and Manipulation

When users select products from the MVC Project Configuration Wizard, a template automatically adds the respective assemblies and references to the application based on control type and theme. This feature also supports creating mobile or hybrid applications with a template.



Selecting Desktop or Mobile Project

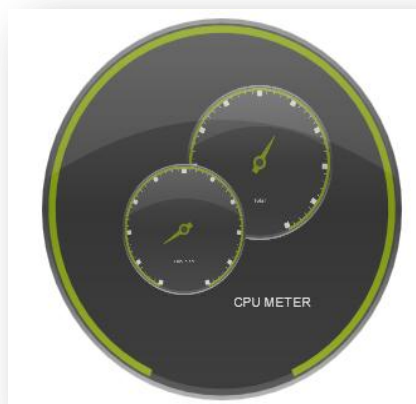


Selecting Syncfusion Themes

- **Essential Gauge**

Sub-Gauges

By utilizing a sub-gauge, two gauges can be rendered together, one nested inside the other. This allows you to visualize two different data types within the same space. With this feature, you can render any type of gauge inside another and still customize the gauges separately.



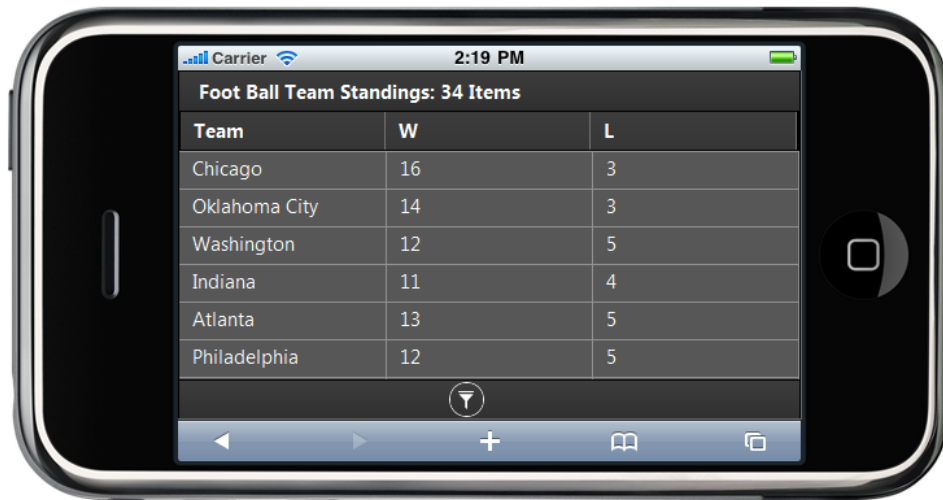
Sub-Gauges in an Outer Gauge

■ Essential Grid

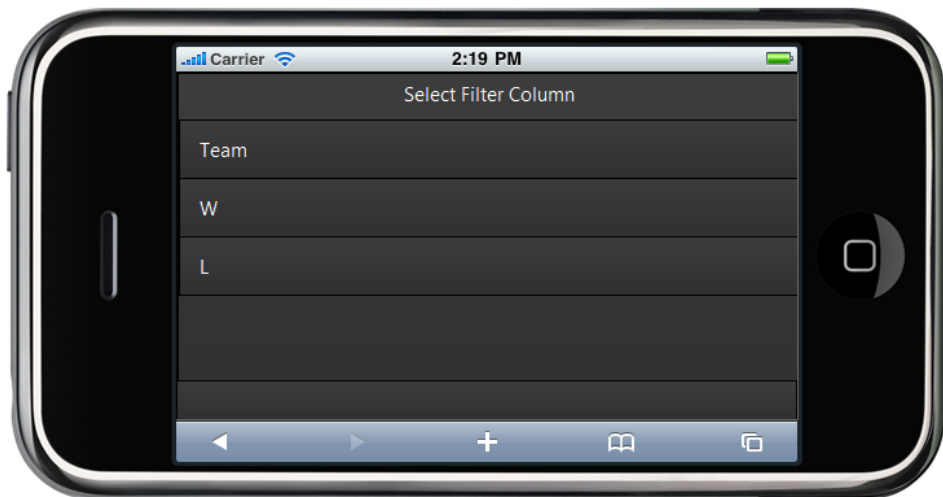
Filtering Support

With new filtering support, you can enable a mobile grid with basic menu-like filtering or more advanced filtering through the filter bar.

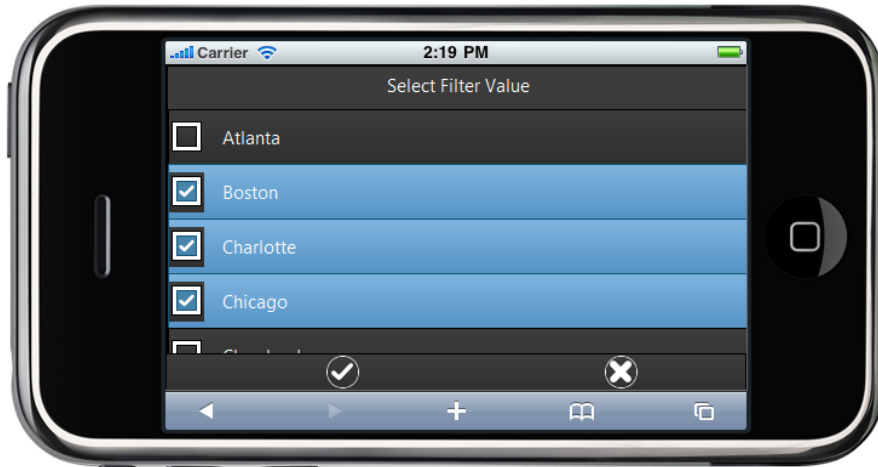
Menu filtering lets you display the unique values found in each column and allows those values to be selected for filtering; filter-bar filtering allows single or multiple columns to be filtered based on expressions specified in column headers.



Mobile Grid Control before Filtering



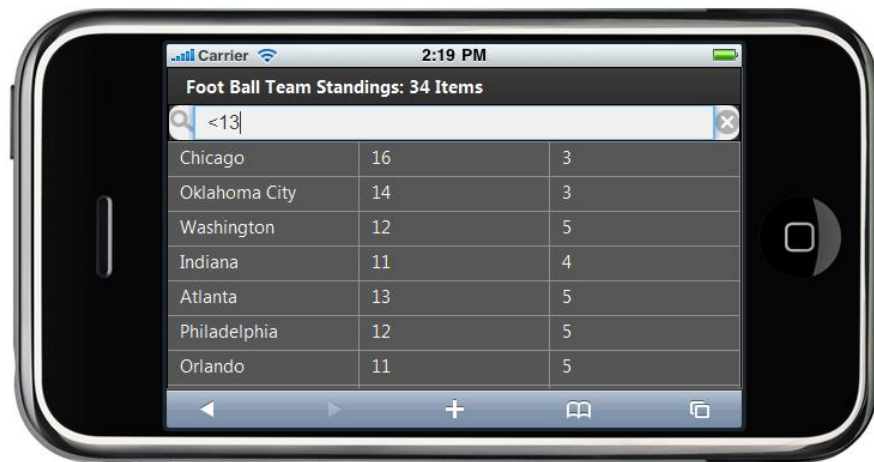
Selecting Columns in Menu-Based Filtering



Selecting Values in Menu-Based Filtering



Mobile Grid with Filter Bar

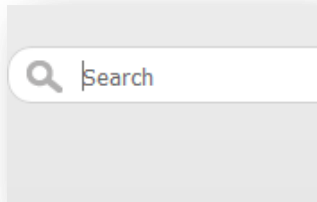


Specifying an Expression in the Filter Bar

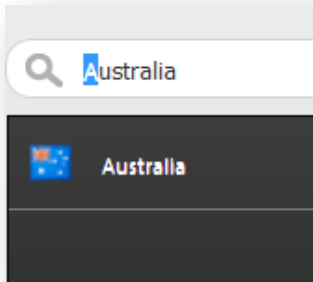
▪ Essential Tools

Auto-Complete Text Box

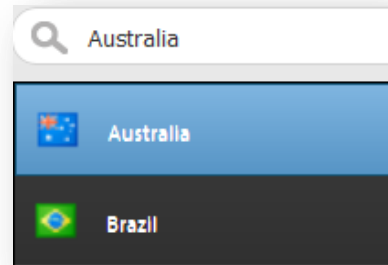
As you type in the auto-complete text box, suggested words will appear based on the initial letters entered, helping you complete a word or phrase without having to type it entirely. Custom images can be associated with each result, and the control can accommodate right-to-left languages. You can also set the search results to be general, exact, or case sensitive.



Auto-Complete Text Box



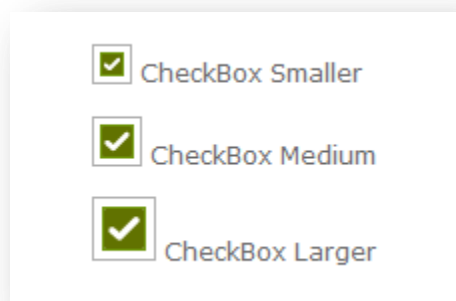
Auto-Complete Text Box with Search Result



Auto-Complete Text Box Customized with Images and Backgrounds

Check Box

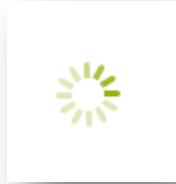
You can create three different sizes of check boxes (small, medium, and large) that can be used to select items from a list. All sizes support strongly typed validation for forms and are touch enabled.



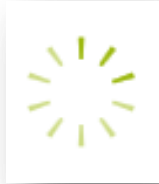
Check Boxes in Various Sizes

Waiting Pop-Up Indicator

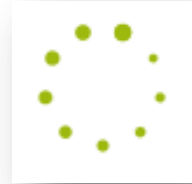
This HTML 5-enhanced waiting pop-up indicator can be modified with four built-in skins that support customized backgrounds. Height, width, and shape can also be specified.



Waiting Pop-up



Line Waiting Pop-up



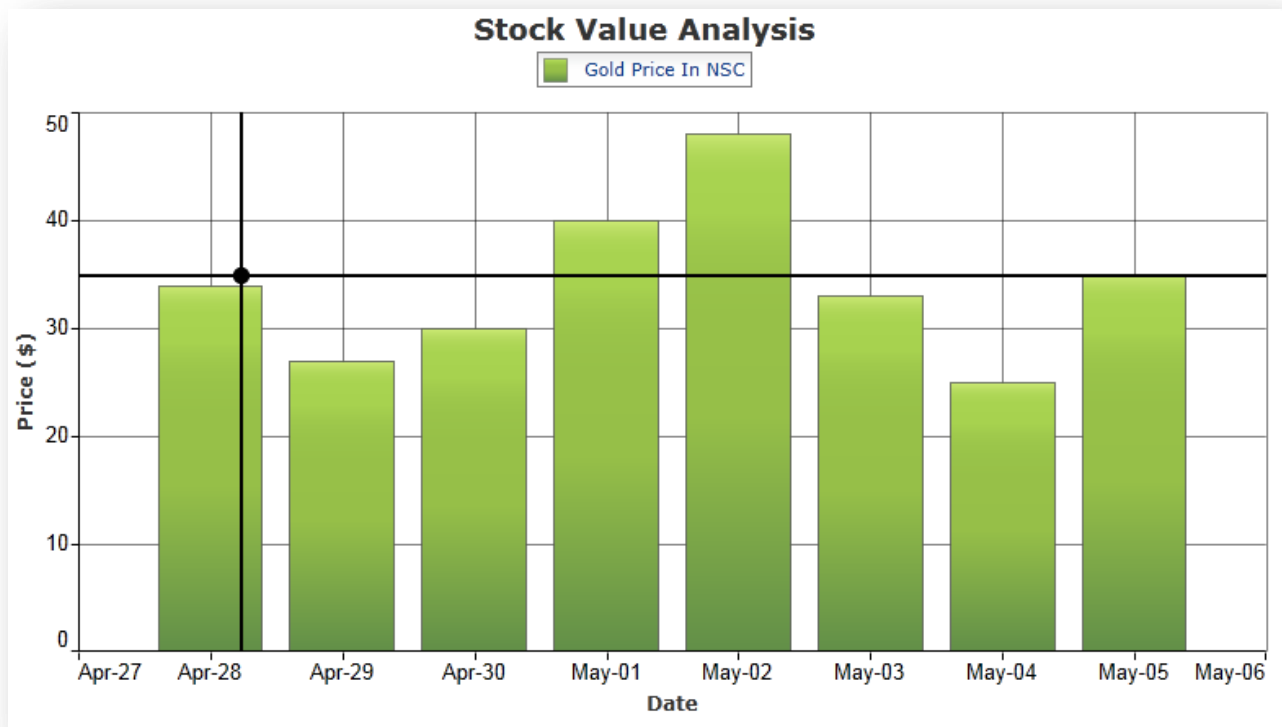
Round Waiting Pop-up

WPF

■ Essential Chart

Interactive Cursor Enhancement

The interactive cursor functionality in Essential Chart for WPF has been expanded to be more interactive and customizable. Users can set the appearance of the cursor lines to be hidden for one line or both. The interactive cursor can be set to follow the mouse pointer as it moves across the chart area. Users can also restrict interactive cursor movement to specific chart segments or data points.



Customized Interactive Cursor

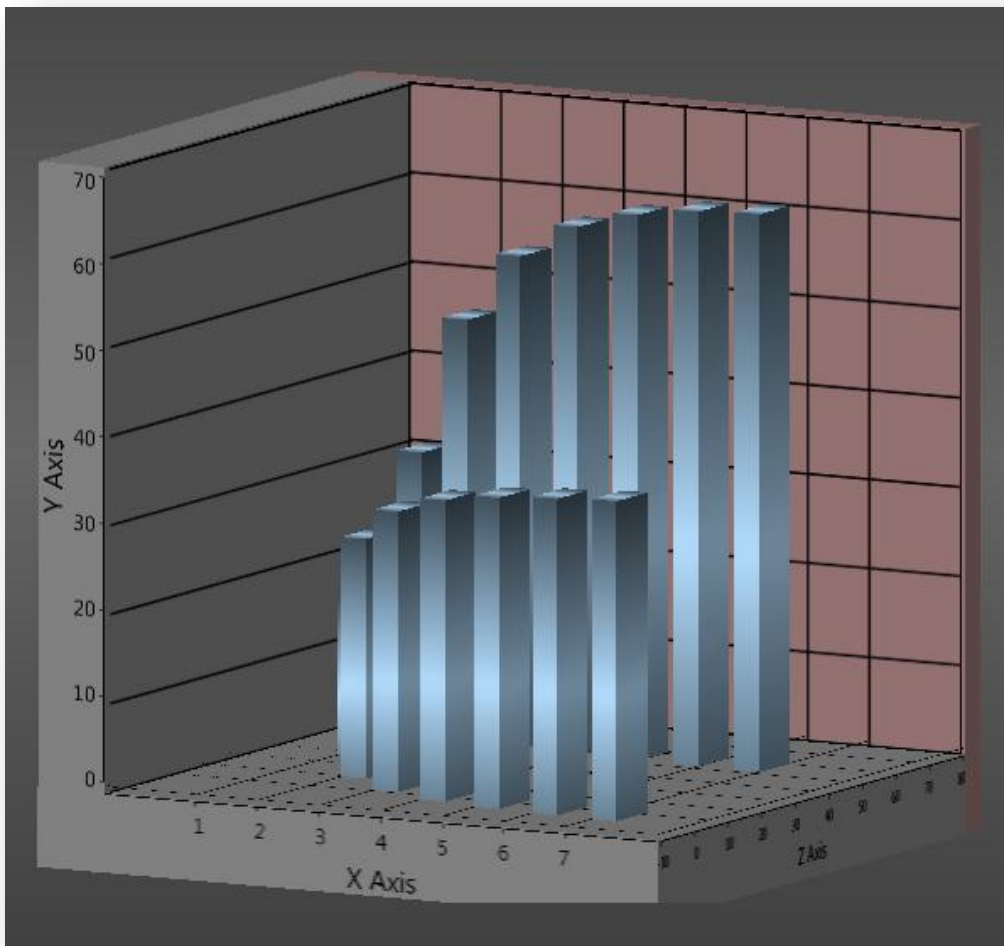
Smart Labels

Smart label support is now available for bar and Gantt charts. Smart labels provide users with information about a chart's data point values. They are especially useful for closely packed data points. The labels are added intelligently—their placement and numbers are automatically calculated—to make their appearance in the chart area as readable and user friendly as possible. Users can choose to hide smart labels in the event that the labels intersect.

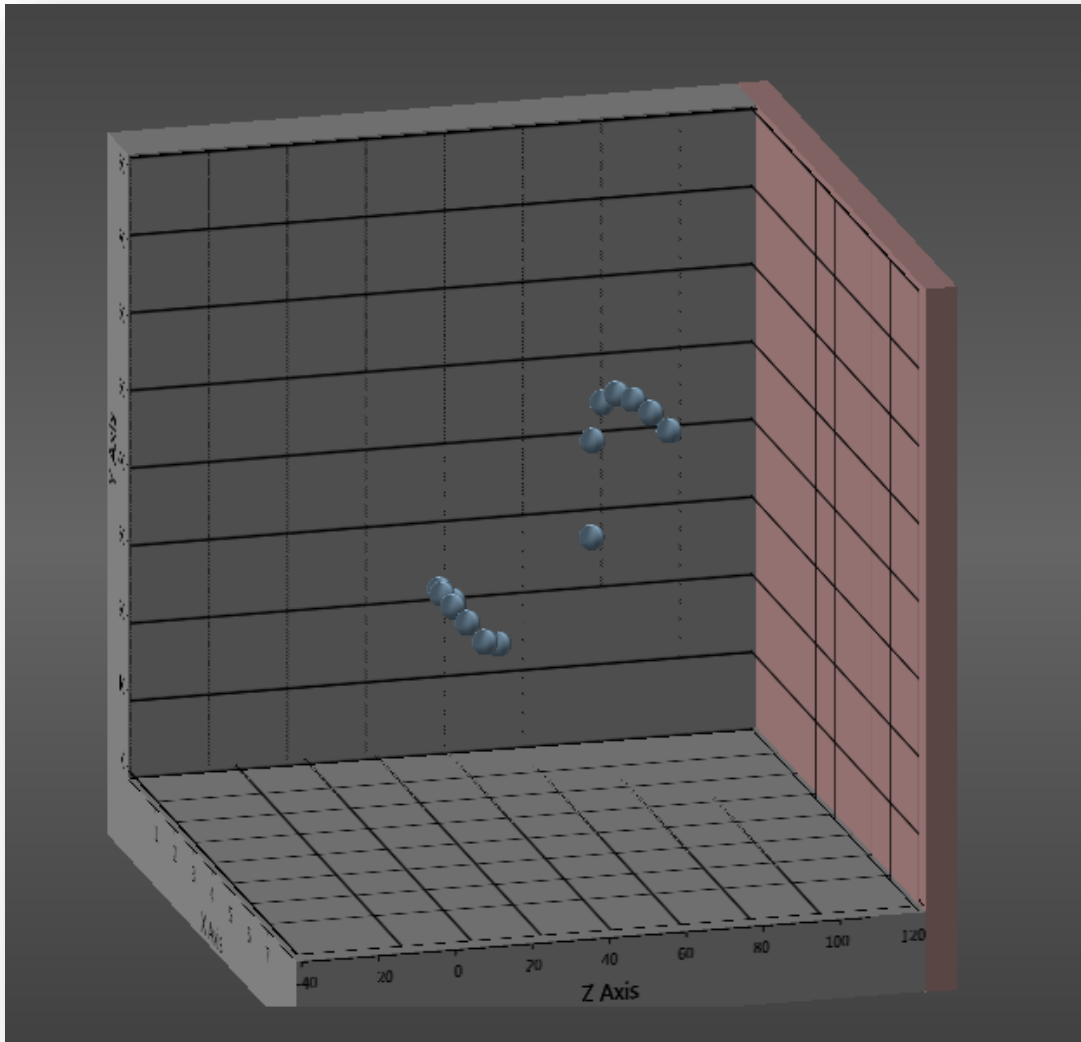
Z-Axis Support

The z-axis support added to Essential Chart for WPF comprises two features. The first is a customizable z-axis position, which enables users to set how deep they want the z-axis to appear in the chart. Any chart that supports 3-D will provide z-axis support.

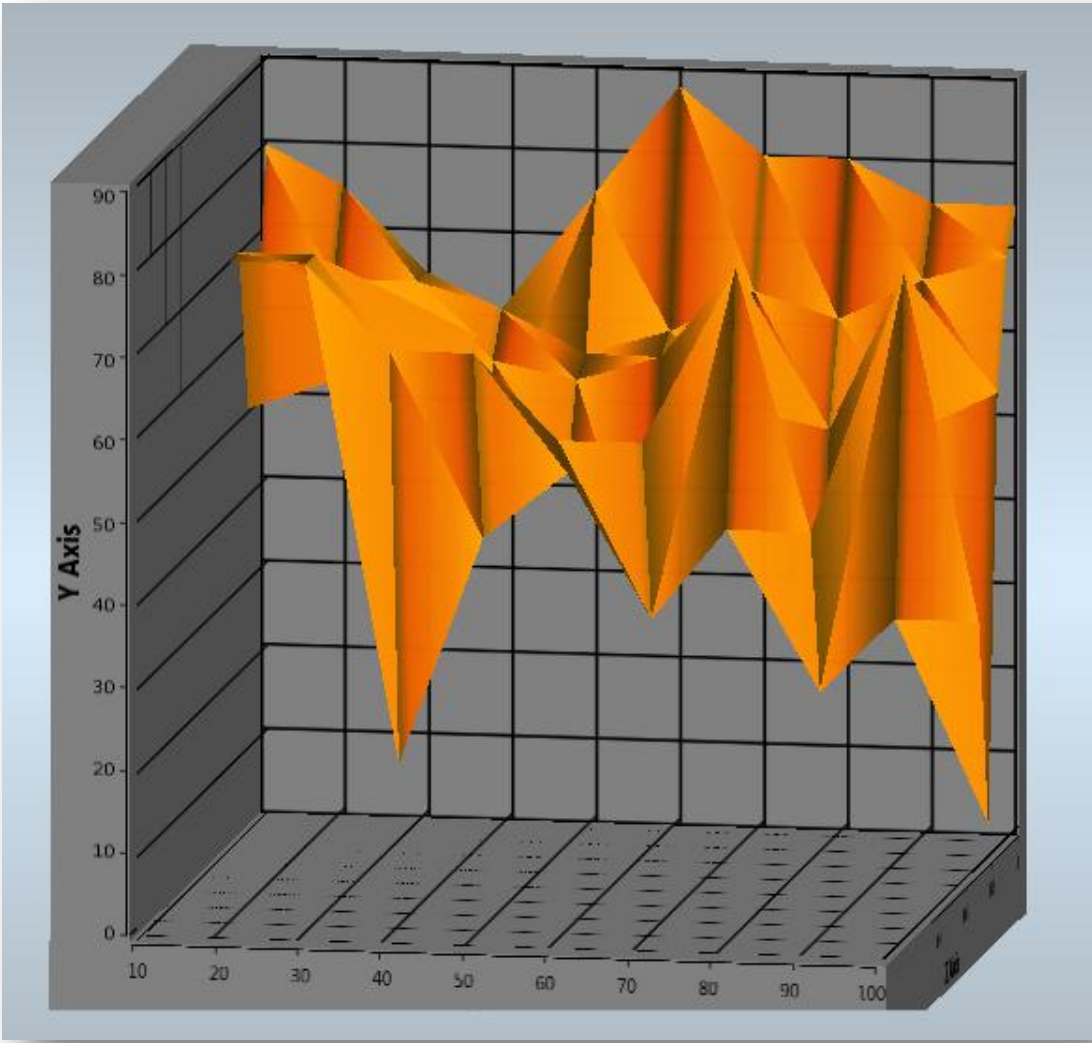
The second is a new chart type, the surface area chart. This special chart is similar to a column or line chart, but plots data points based on three data values. It is only available in 3-D. The surface area chart type enables users to chart and analyze different sets of data in a unique way.



Column Chart with Z-Axis Support



Scatter Chart with Z-Axis Support



Surface Area Chart

- Essential Diagram

 - Display Date and Time in Ruler

 - This feature enables users to view the position of a diagram element in date-time format on the ruler axis. Users can customize the date-time format, ruler interval, and ruler origin.

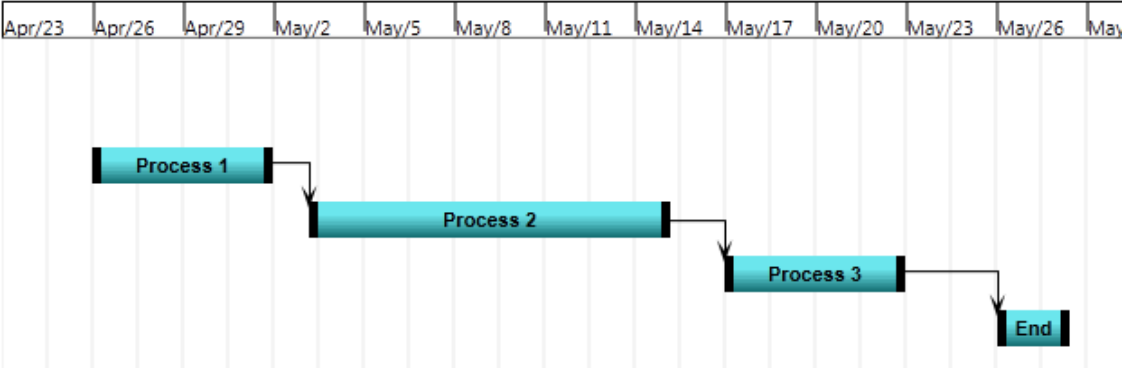
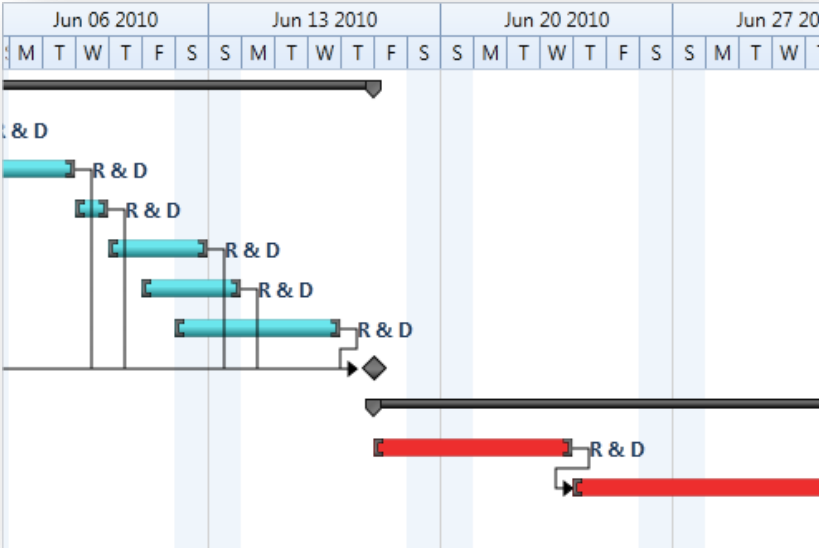


Diagram with Date-Time Ruler

- Essential Gantt

 - Highlighting Tasks

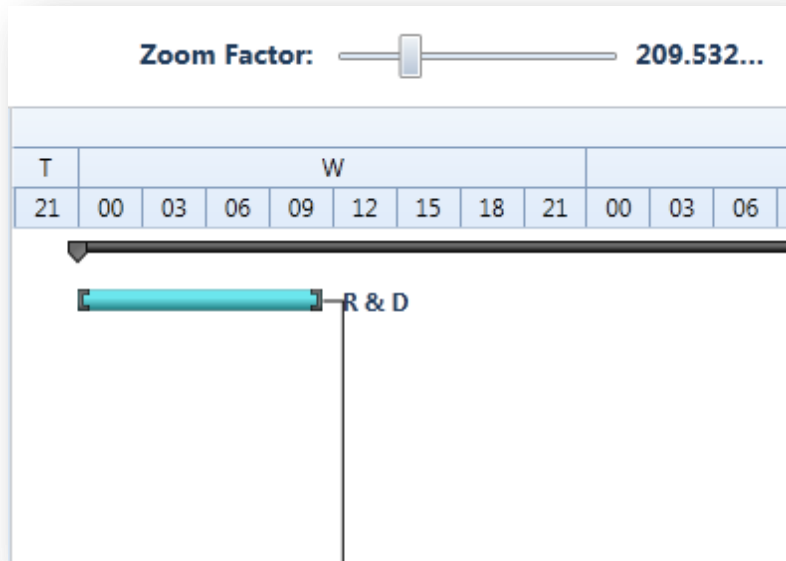
 - Users can highlight any task by providing the list of tasks that need to be highlighted as input through an API. Using this feature, users can highlight critical tasks in the Gantt chart.



Highlighted Tasks in a Gantt Chart

Zooming Support in a Gantt Chart

Users can easily zoom between years and minutes by specifying the zoom factor. Users can also achieve zooming at the sample level by handling the provided event. The schedule type and schedule cell size will dynamically be changed based on the zoom factor.



Zooming in the Gantt Chart

■ Essential Grid

Serialization Support for the GridTree Control

The GridTree control supports XML serialization to preserve and restore a grid's schema and style settings. All the visual styles, sorting, selection options, and other customization options can be serialized to XML.

| LastName | FirstName | MyEyeColor | LikesCake | DOB |
|------------|------------|------------|-----------|-----------|
| ▲ Hayes | Abraham | Blue | True | 8/4/1993 |
| ▲ Hayes | Theodore | Unknown | True | 1/6/1994 |
| ▲ Harrison | Rutherford | Unknown | True | 6/19/1994 |


```

<?xml version="1.0"?>
<GridTreeSerializableProperty
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <AllowAutoSizingNodeColumn>true</AllowAutoSizingNodeColumn>
  <AllowDragColumns>true</AllowDragColumns>
  <EnableHotRowMarker>true</EnableHotRowMarker>
  <EnableNodeSelection>true</EnableNodeSelection>
  <EnableRenderCheckIfGlyphNeeded>>false</EnableRenderCheckIfGlyphNeeded>
  <EnableSelections>true</EnableSelections>
  <ExpandStateAtStartup>AllNodesExpanded</ExpandStateAtStartup>
  <FreezeExpandColumn>true</FreezeExpandColumn>
  <HideEmptyChildGlyphs>true</HideEmptyChildGlyphs>
  <IgnoreResetOnListChanged>>false</IgnoreResetOnListChanged>
  <ReadOnly>true</ReadOnly>
  <ShowColumnHeaders>true</ShowColumnHeaders>
  <ShowExpandColumnBorders>true</ShowExpandColumnBorders>
  <ShowRowHeader>true</ShowRowHeader>
  <SupportNodeImages>>false</SupportNodeImages>
  <SupportRowSizing>>false</SupportRowSizing>
  <TrackSelectionOnCollectionChange>>false</TrackSelectionOnCollectionChange>
  <VisualStyle>Office14Blue</VisualStyle>
</GridTreeSerializableProperty>

```

Serialization through XAML

Blendability

Users can customize the appearance of the GridTree control using Microsoft Expression Blend. The appearance of the header styles, cell styles, expander styles, and row styles can be customized using Blend.

| Author Name | ISBN | Title | Publisher Name |
|------------------------|--------------|----------------------------|---------------------|
| Alexandre Dumas | | | |
| Alexandre Dumas | 0-123-1233-0 | The Three Musketeers | Grosset & Dunlap |
| Alexandre Dumas | 0-125-3344-1 | The Black Tulip | P. F. Collier & Son |
| Alexandre Dumas | 0-124-5544-X | The Titans | Harper |
| James Clavell | | | |
| James Clavell | 0-128-3939-2 | Gai-Jin | Delacorte |
| James Clavell | 0-128-3939-X | Noble House | Delacorte |
| James Clavell | 0-128-4321-1 | Tai-Pan | Delacorte |
| Anne McCaffrey | | | |
| Anne McCaffrey | 0-129-4567-1 | Dragonsong | Atheneum |
| Anne McCaffrey | 0-129-4912-0 | Dragonsinger | Atheneum |
| Anne McCaffrey | 0-130-2939-4 | The White Dragon | Ballantine Books |
| Robert Louis Stevenson | | | |
| Robert Louis Stevenson | 0-134-3945-7 | A Child's Garden of Verses | Scribner |
| Robert Louis Stevenson | 0-129-4912-0 | Treasure Island | J. W. Lovell Co. |
| Robert Louis Stevenson | 0-130-2939-4 | Kidnapped | Mead Dodd |
| Robert Louis Stevenson | 0-134-3945-7 | A Child's Garden of Verses | Scribner |

Customized GridTree Control Styles

Zoom Support

Users can zoom in and out of the grid by changing the zoom scale of the control.

| | OrderID | CustomerID | EmployeeID | OrderDate | RequiredDate |
|----|---------|------------|------------|---------------|---------------|
| 1 | 10248 | VINET | 5 | 1996-07-04... | 1996-08-01... |
| 2 | 10249 | TOMSP | 6 | 1996-07-05... | 1996-08-16... |
| 3 | 10250 | HANAR | 4 | 1996-07-08... | 1996-08-05... |
| 4 | 10251 | VICTE | 3 | 1996-07-08... | 1996-08-05... |
| 5 | 10252 | SUPRD | 4 | 1996-07-09... | 1996-08-06... |
| 6 | 10253 | HANAR | 3 | 1996-07-10... | 1996-07-24... |
| 7 | 10254 | CHOPS | 5 | 1996-07-11... | 1996-08-08... |
| 8 | 10255 | RICSU | 9 | 1996-07-12... | 1996-08-09... |
| 9 | 10256 | WELLI | 3 | 1996-07-15... | 1996-08-12... |
| 10 | 10257 | HILAA | 4 | 1996-07-16... | 1996-08-13... |
| 11 | 10258 | ERNSH | 1 | 1996-07-17... | 1996-08-14... |
| 12 | 10259 | CENTC | 4 | 1996-07-18... | 1996-08-15... |
| 13 | 10260 | OTTIK | 4 | 1996-07-19... | 1996-08-16... |
| 14 | 10261 | QUEDE | 4 | 1996-07-19... | 1996-08-16... |
| 15 | 10262 | RATTC | 8 | 1996-07-22... | 1996-08-19... |

Zoomed-in Grid

| OrderID | CustomerID | EmployeeID | OrderDate | RequiredDate | ShippedDate | ShipVia | Freight | ShipName | ShipAddress | ShipCity |
|---------|------------|------------|-----------|-----------------------------------|-----------------------------------|-----------------------------------|---------|------------------|------------------|----------------|
| 1 | 10248 | VINET | 5 | 1996-07-04T00:00:00.0000000-04:00 | 1996-08-01T00:00:00.0000000-04:00 | 1996-07-16T00:00:00.0000000-04:00 | 32.38 | Vins et alco... | 39 rue de F... | Rims |
| 2 | 10249 | TOMSP | 6 | 1996-07-05T00:00:00.0000000-04:00 | 1996-08-16T00:00:00.0000000-04:00 | 1996-07-10T00:00:00.0000000-04:00 | 11.61 | Toms Spezia... | Luisenstr. 48 | Münster |
| 3 | 10250 | HANAR | 4 | 1996-07-08T00:00:00.0000000-04:00 | 1996-08-05T00:00:00.0000000-04:00 | 1996-07-12T00:00:00.0000000-04:00 | 65.83 | Hanari Carnes | Rua do Paço... | Rio de Janeiro |
| 4 | 10251 | VICTE | 3 | 1996-07-08T00:00:00.0000000-04:00 | 1996-08-05T00:00:00.0000000-04:00 | 1996-07-15T00:00:00.0000000-04:00 | 41.34 | Victualles e... | 2 rue du Co... | Lyon |
| 5 | 10252 | SUPRO | 4 | 1996-07-09T00:00:00.0000000-04:00 | 1996-08-06T00:00:00.0000000-04:00 | 1996-07-11T00:00:00.0000000-04:00 | 51.3 | Suprêmes d... | Boulevard Tl... | Charleroi |
| 6 | 10253 | HANAR | 3 | 1996-07-10T00:00:00.0000000-04:00 | 1996-07-24T00:00:00.0000000-04:00 | 1996-07-16T00:00:00.0000000-04:00 | 58.17 | Hanari Carnes | Rua do Paço... | Rio de Janeiro |
| 7 | 10254 | CHOPS | 5 | 1996-07-11T00:00:00.0000000-04:00 | 1996-08-08T00:00:00.0000000-04:00 | 1996-07-23T00:00:00.0000000-04:00 | 22.98 | Chop-luey... | Hauptstr. 31 | Bern |
| 8 | 10255 | RDCSU | 9 | 1996-07-12T00:00:00.0000000-04:00 | 1996-08-09T00:00:00.0000000-04:00 | 1996-07-15T00:00:00.0000000-04:00 | 148.33 | Richter Sup... | Størenveg 5 | Genève |
| 9 | 10256 | WELLI | 3 | 1996-07-13T00:00:00.0000000-04:00 | 1996-08-12T00:00:00.0000000-04:00 | 1996-07-17T00:00:00.0000000-04:00 | 13.97 | Wellington I... | Rua do Mar... | Resende |
| 10 | 10257 | HLLAA | 4 | 1996-07-16T00:00:00.0000000-04:00 | 1996-08-13T00:00:00.0000000-04:00 | 1996-07-22T00:00:00.0000000-04:00 | 81.91 | HLLARON A... | Camera 22 c... | San Cristóbal |
| 11 | 10258 | ERNGH | 1 | 1996-07-17T00:00:00.0000000-04:00 | 1996-08-14T00:00:00.0000000-04:00 | 1996-07-23T00:00:00.0000000-04:00 | 140.51 | Ernst Handel | Kirchgasse 6 | Graz |
| 12 | 10259 | CENTC | 4 | 1996-07-18T00:00:00.0000000-04:00 | 1996-08-15T00:00:00.0000000-04:00 | 1996-07-25T00:00:00.0000000-04:00 | 3.25 | Centro com... | Siemas de G... | Mexico D.F. |
| 13 | 10260 | OTTK | 4 | 1996-07-19T00:00:00.0000000-04:00 | 1996-08-16T00:00:00.0000000-04:00 | 1996-07-29T00:00:00.0000000-04:00 | 55.09 | Ottlies Käse... | Mehlhaimer... | Köln |
| 14 | 10261 | QUEDE | 4 | 1996-07-19T00:00:00.0000000-04:00 | 1996-08-16T00:00:00.0000000-04:00 | 1996-07-30T00:00:00.0000000-04:00 | 3.05 | Que Delicia | Rua da Panf... | Rio de Janeiro |
| 15 | 10262 | RATTC | 8 | 1996-07-22T00:00:00.0000000-04:00 | 1996-08-19T00:00:00.0000000-04:00 | 1996-07-25T00:00:00.0000000-04:00 | 48.29 | Rattlesnake... | 2817 Milton... | Albuquerque |
| 16 | 10263 | ERNGH | 9 | 1996-07-23T00:00:00.0000000-04:00 | 1996-08-20T00:00:00.0000000-04:00 | 1996-07-31T00:00:00.0000000-04:00 | 146.06 | Ernst Handel | Kirchgasse 6 | Graz |
| 17 | 10264 | FOLKD | 6 | 1996-07-24T00:00:00.0000000-04:00 | 1996-08-20T00:00:00.0000000-04:00 | 1996-08-23T00:00:00.0000000-04:00 | 3.67 | Folk och flä... | Åkergratan 24 | Bräcke |
| 18 | 10265 | BUNP | 2 | 1996-07-25T00:00:00.0000000-04:00 | 1996-08-22T00:00:00.0000000-04:00 | 1996-08-12T00:00:00.0000000-04:00 | 55.28 | Blondier par... | 24 place Nô... | Strasbourg |
| 19 | 10266 | WARTH | 3 | 1996-07-26T00:00:00.0000000-04:00 | 1996-08-08T00:00:00.0000000-04:00 | 1996-07-31T00:00:00.0000000-04:00 | 25.73 | Wartan Her... | Tonkatu 38 | Dulu |
| 20 | 10267 | FRANK | 4 | 1996-07-29T00:00:00.0000000-04:00 | 1996-08-28T00:00:00.0000000-04:00 | 1996-08-06T00:00:00.0000000-04:00 | 208.58 | Frankenvert... | Berliner Plat... | München |
| 21 | 10268 | GROSR | 8 | 1996-07-30T00:00:00.0000000-04:00 | 1996-08-27T00:00:00.0000000-04:00 | 1996-08-02T00:00:00.0000000-04:00 | 66.29 | GROSELLA... | 3F Ave. Los... | Caracas |
| 22 | 10269 | WHMTC | 5 | 1996-07-31T00:00:00.0000000-04:00 | 1996-08-14T00:00:00.0000000-04:00 | 1996-08-09T00:00:00.0000000-04:00 | 4.56 | White Clove... | 1029 - 12th... | Seattle |
| 23 | 10270 | WARTH | 1 | 1996-08-01T00:00:00.0000000-04:00 | 1996-08-29T00:00:00.0000000-04:00 | 1996-08-02T00:00:00.0000000-04:00 | 136.54 | Wartan Her... | Tonkatu 38 | Dulu |
| 24 | 10271 | SPUR | 6 | 1996-08-01T00:00:00.0000000-04:00 | 1996-08-29T00:00:00.0000000-04:00 | 1996-08-30T00:00:00.0000000-04:00 | 4.54 | Spitz Rail Be... | P.O. Box 555 | Lander |
| 25 | 10272 | RATTC | 6 | 1996-08-02T00:00:00.0000000-04:00 | 1996-08-30T00:00:00.0000000-04:00 | 1996-08-06T00:00:00.0000000-04:00 | 98.03 | Rattlesnake... | 2817 Milton... | Albuquerque |
| 26 | 10273 | QUICK | 3 | 1996-08-03T00:00:00.0000000-04:00 | 1996-08-02T00:00:00.0000000-04:00 | 1996-08-12T00:00:00.0000000-04:00 | 76.07 | QUICK-Stop | Taucherstra... | Cunevalde |
| 27 | 10274 | VINET | 6 | 1996-08-06T00:00:00.0000000-04:00 | 1996-08-09T00:00:00.0000000-04:00 | 1996-08-16T00:00:00.0000000-04:00 | 6.01 | Vins et alco... | 39 rue de F... | Rims |
| 28 | 10275 | MAGAA | 1 | 1996-08-07T00:00:00.0000000-04:00 | 1996-08-09T00:00:00.0000000-04:00 | 1996-08-09T00:00:00.0000000-04:00 | 26.93 | Magazzini A... | Via Ludovic... | Bergamo |
| 29 | 10276 | TORTU | 8 | 1996-08-08T00:00:00.0000000-04:00 | 1996-08-22T00:00:00.0000000-04:00 | 1996-08-14T00:00:00.0000000-04:00 | 13.84 | Tortuga Rat... | Andá. Aztec... | Mexico D.F. |
| 30 | 10277 | MORGG | 2 | 1996-08-09T00:00:00.0000000-04:00 | 1996-08-09T00:00:00.0000000-04:00 | 1996-08-13T00:00:00.0000000-04:00 | 125.77 | Morgenthor... | Heenstr. 22 | Leipzig |
| 31 | 10278 | BERGS | 8 | 1996-08-12T00:00:00.0000000-04:00 | 1996-08-09T00:00:00.0000000-04:00 | 1996-08-16T00:00:00.0000000-04:00 | 92.69 | Berglunds i... | Berguvnåvd... | Luleå |
| 32 | 10279 | LEHMS | 8 | 1996-08-13T00:00:00.0000000-04:00 | 1996-08-10T00:00:00.0000000-04:00 | 1996-08-16T00:00:00.0000000-04:00 | 25.83 | Lehmanns... | Magazinwa... | Frankfurt a.M. |
| 33 | 10280 | BERGS | 2 | 1996-08-14T00:00:00.0000000-04:00 | 1996-08-11T00:00:00.0000000-04:00 | 1996-08-17T00:00:00.0000000-04:00 | 6.98 | Berglunds i... | Berguvnåvd... | Luleå |
| 34 | 10281 | ROMYF | 4 | 1996-08-14T00:00:00.0000000-04:00 | 1996-08-28T00:00:00.0000000-04:00 | 1996-08-21T00:00:00.0000000-04:00 | 1.94 | Romero y to... | Gran Vía 1 | Madrid |
| 35 | 10282 | ROMYF | 4 | 1996-08-15T00:00:00.0000000-04:00 | 1996-08-12T00:00:00.0000000-04:00 | 1996-08-21T00:00:00.0000000-04:00 | 12.89 | Romero y to... | Gran Vía 1 | Madrid |
| 36 | 10283 | ULAS | 3 | 1996-08-15T00:00:00.0000000-04:00 | 1996-08-13T00:00:00.0000000-04:00 | 1996-08-23T00:00:00.0000000-04:00 | 84.82 | U.L.A. Super... | Camera 52 c... | Banquimeto |
| 37 | 10284 | LEHMS | 4 | 1996-08-15T00:00:00.0000000-04:00 | 1996-08-16T00:00:00.0000000-04:00 | 1996-08-27T00:00:00.0000000-04:00 | 76.56 | Lehmanns... | Magazinwa... | Frankfurt a.M. |
| 38 | 10285 | QUICK | 1 | 1996-08-20T00:00:00.0000000-04:00 | 1996-08-17T00:00:00.0000000-04:00 | 1996-08-26T00:00:00.0000000-04:00 | 76.83 | QUICK-Stop | Taucherstra... | Cunevalde |
| 39 | 10286 | QUICK | 8 | 1996-08-21T00:00:00.0000000-04:00 | 1996-08-18T00:00:00.0000000-04:00 | 1996-08-30T00:00:00.0000000-04:00 | 229.24 | QUICK-Stop | Taucherstra... | Cunevalde |
| 40 | 10287 | RICAR | 8 | 1996-08-22T00:00:00.0000000-04:00 | 1996-08-19T00:00:00.0000000-04:00 | 1996-08-28T00:00:00.0000000-04:00 | 12.76 | Ricardo Ado... | Av. Copacab... | Rio de Janeiro |
| 41 | 10288 | REGGC | 4 | 1996-08-23T00:00:00.0000000-04:00 | 1996-08-20T00:00:00.0000000-04:00 | 1996-08-03T00:00:00.0000000-04:00 | 7.41 | Raggiari Ca... | Strada Prov... | Raggio Emilia |
| 42 | 10289 | BSBEV | 7 | 1996-08-24T00:00:00.0000000-04:00 | 1996-08-23T00:00:00.0000000-04:00 | 1996-08-28T00:00:00.0000000-04:00 | 22.77 | E's Beverages | Fauntleystr... | London |
| 43 | 10290 | COMMI | 8 | 1996-08-27T00:00:00.0000000-04:00 | 1996-08-24T00:00:00.0000000-04:00 | 1996-08-03T00:00:00.0000000-04:00 | 79.7 | Comércio M... | Av. dos Lus... | Sao Paulo |

Zoomed-out Grid

■ Essential Spreadsheet

Displaying and Editing Named Ranges

The named ranges feature in Essential Spreadsheet makes it possible to assign a name to a particular range of cells. The spreadsheet has a name box in the formula bar for inserting new named ranges and to display existing named ranges. Named ranges are mainly used in formulae.

| Range1 | | 987 | |
|--------|-----|-----|--|
| | A | B | |
| 1 | 987 | 321 | |
| 2 | 654 | 789 | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |

Naming a Range of Cells

| FormulaCell | | =Sum(Range1,Range2) | | | | |
|-------------|-----|---------------------|---|------|---|--|
| | A | B | C | D | E | |
| 1 | 987 | 321 | | | | |
| 2 | 654 | 789 | | | | |
| 3 | | | | | | |
| 4 | | | | 4773 | | |
| 5 | | | | | | |
| 6 | 234 | 987 | | | | |
| 7 | 234 | 567 | | | | |
| 8 | | | | | | |
| 9 | | | | | | |

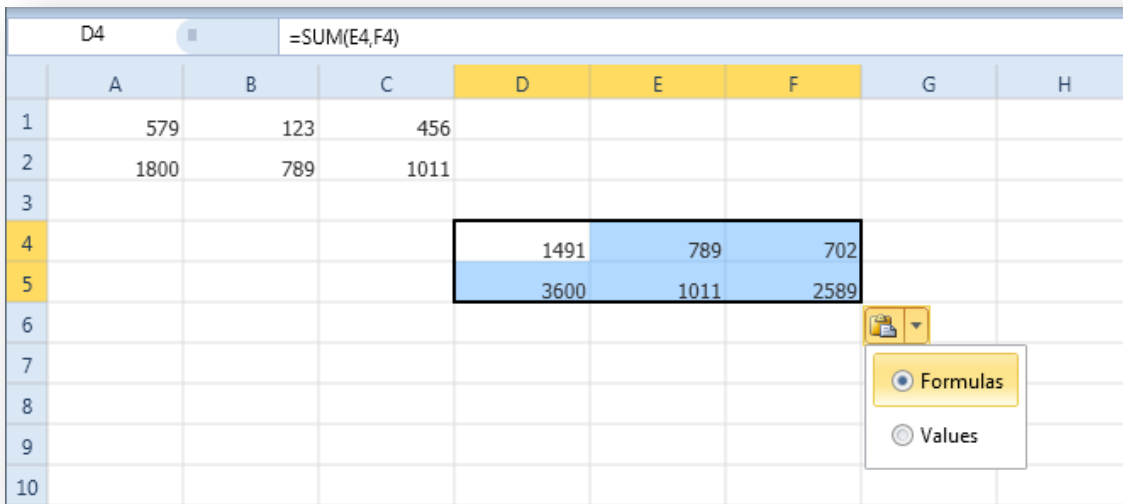
Using Named Ranges in Formulae

Copying and Pasting Relative References

When copying and pasting formulas from one cell to another, expressions will automatically update based on the position of the target cell. You can also select between pasting formulas or values.

| A1 | | =Sum(B1,C1) | | | | |
|----|------|-------------|------|---|---|--|
| | A | B | C | D | E | |
| 1 | 579 | 123 | 456 | | | |
| 2 | 1800 | 789 | 1011 | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

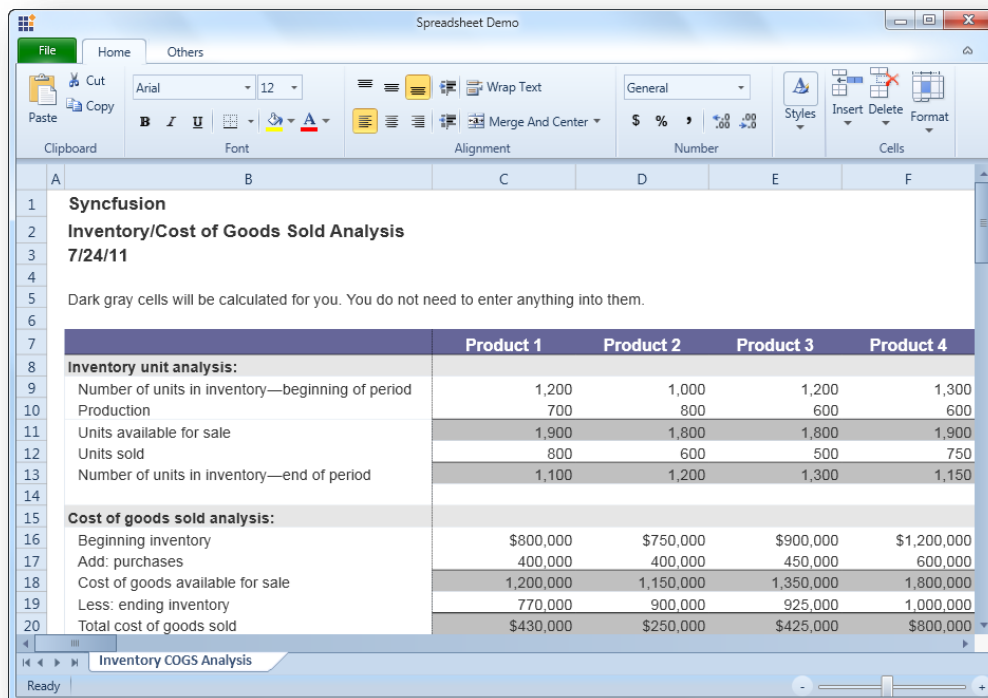
Copying Formulas in a Cell



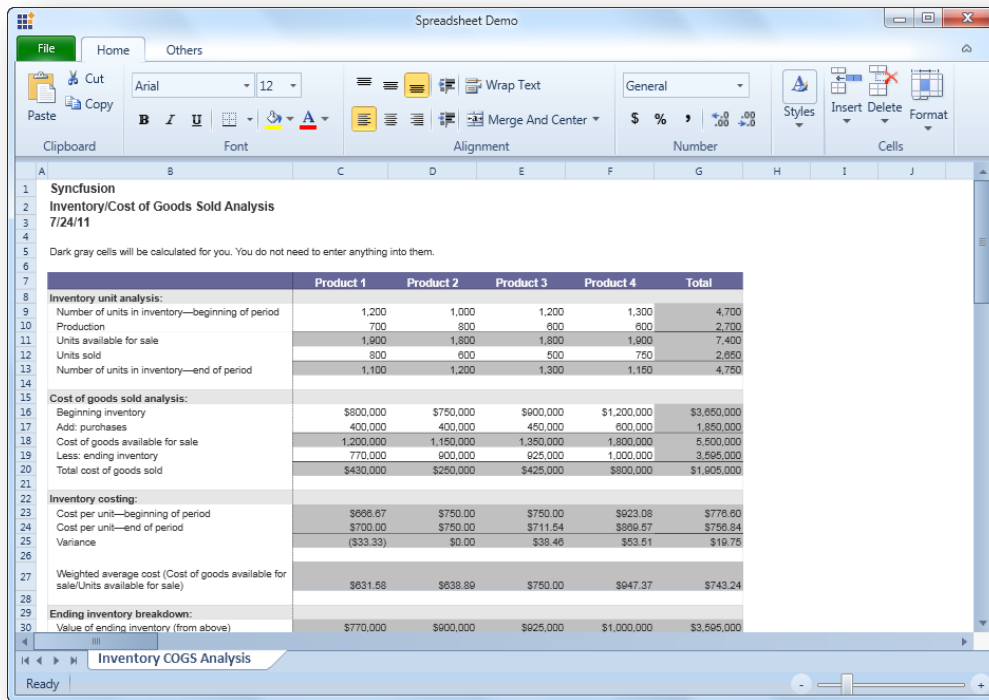
Choosing to Paste Formulas or Values

Zoom Support

The Spreadsheet control allows you to zoom in to get a close-up view of the cells, and allows you to zoom out to view more cells at once by setting the zoom scale for the grid.



Zooming in on a Spreadsheet

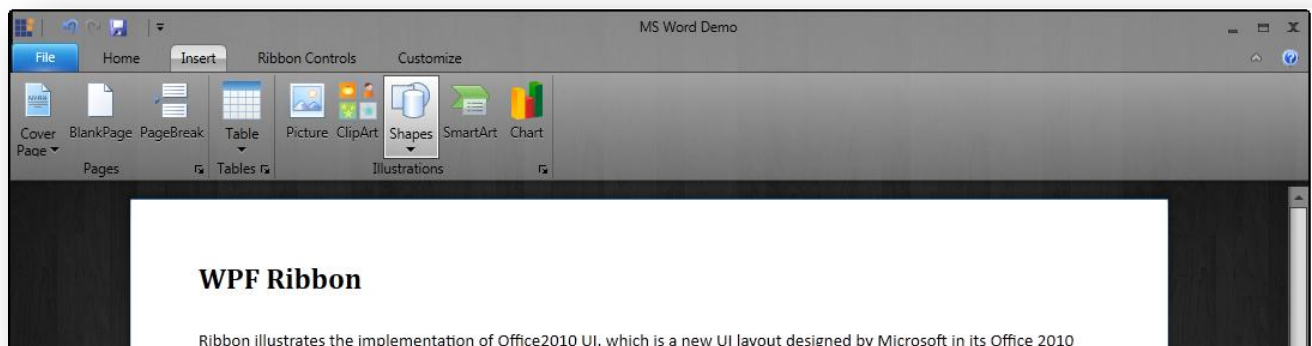


Zooming out of a Spreadsheet

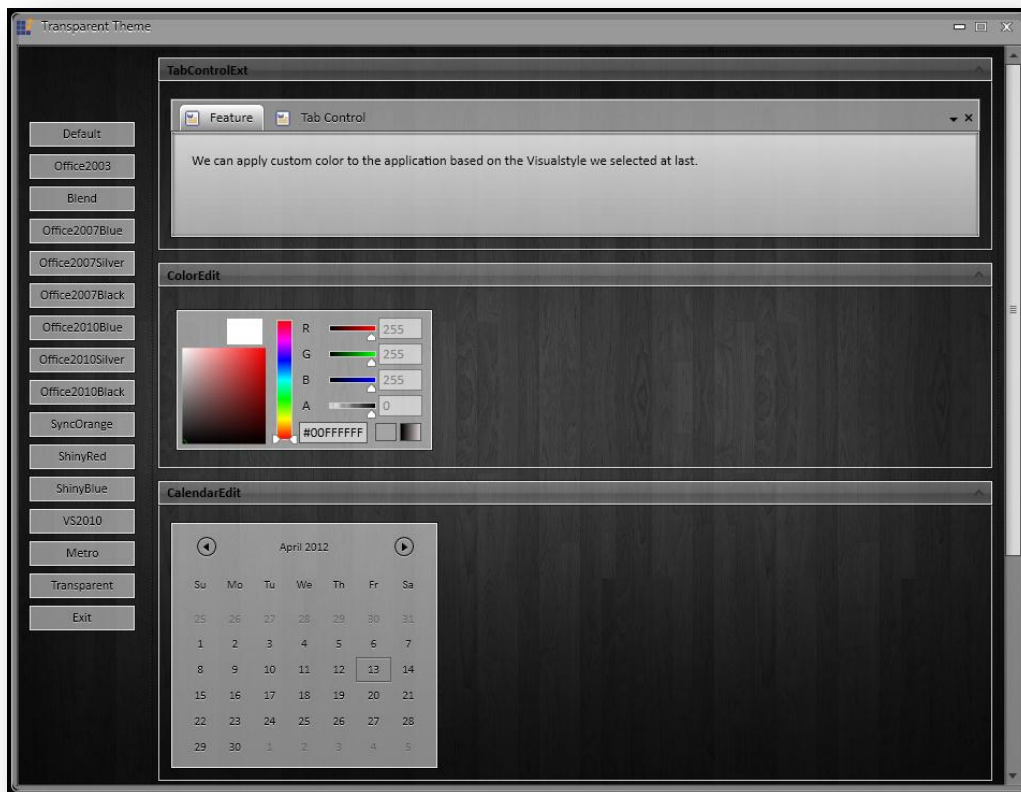
■ Essential Tools

Skin Manager Transparent Theme

A new “Transparent” theme has been added as a built-in skin to the skin manager framework for WPF controls. Users can easily apply this skin to individual controls or at the application level. Both Syncfusion and Microsoft WPF controls can use this theme.



Ribbon Control with Transparent Theme



Other Controls with Transparent Theme

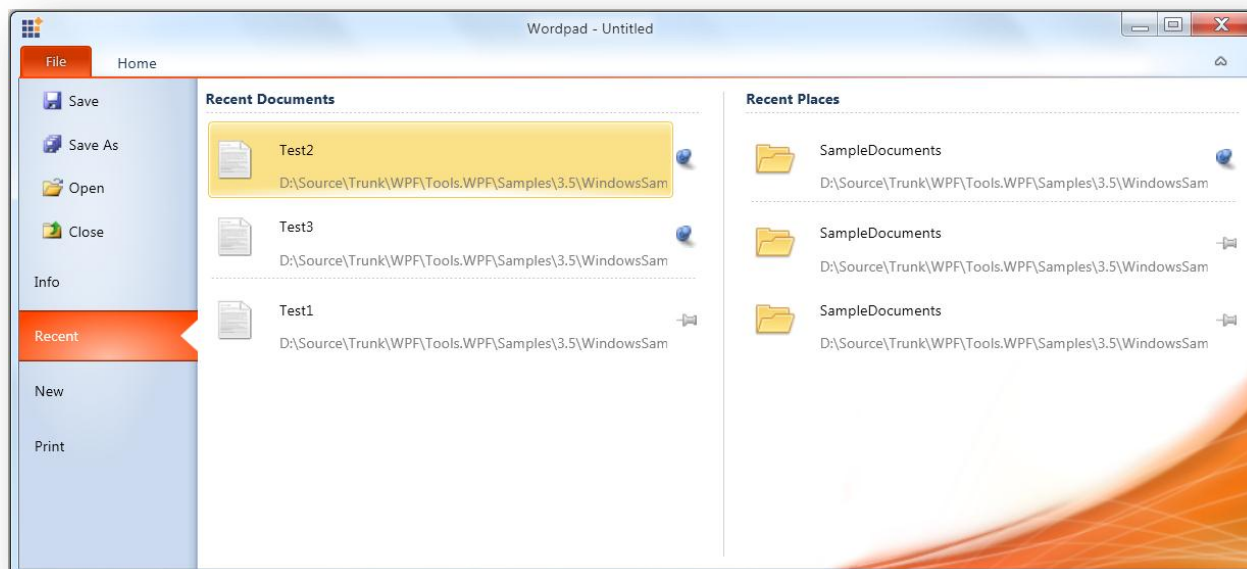
Pinnable List Box

The PinnableListBox control allows users to display a list of items and set some to a permanent position in the list. This is useful when users wish to always have certain items available for selection. You can see this functionality in the **Recent** tab in the Microsoft Word application menu.

A pin icon is provided to show whether something is pinned, and is toggled simply by clicking on it in the same way a check box can be toggled. Using this control, pinned items are grouped together in one list, and unpinned items are grouped in another. The PinnableListBox control can be used on its own or as part of another control such as the Ribbon control. The list of items in the control can be sorted by any criteria, including name, date of last modification, and more.



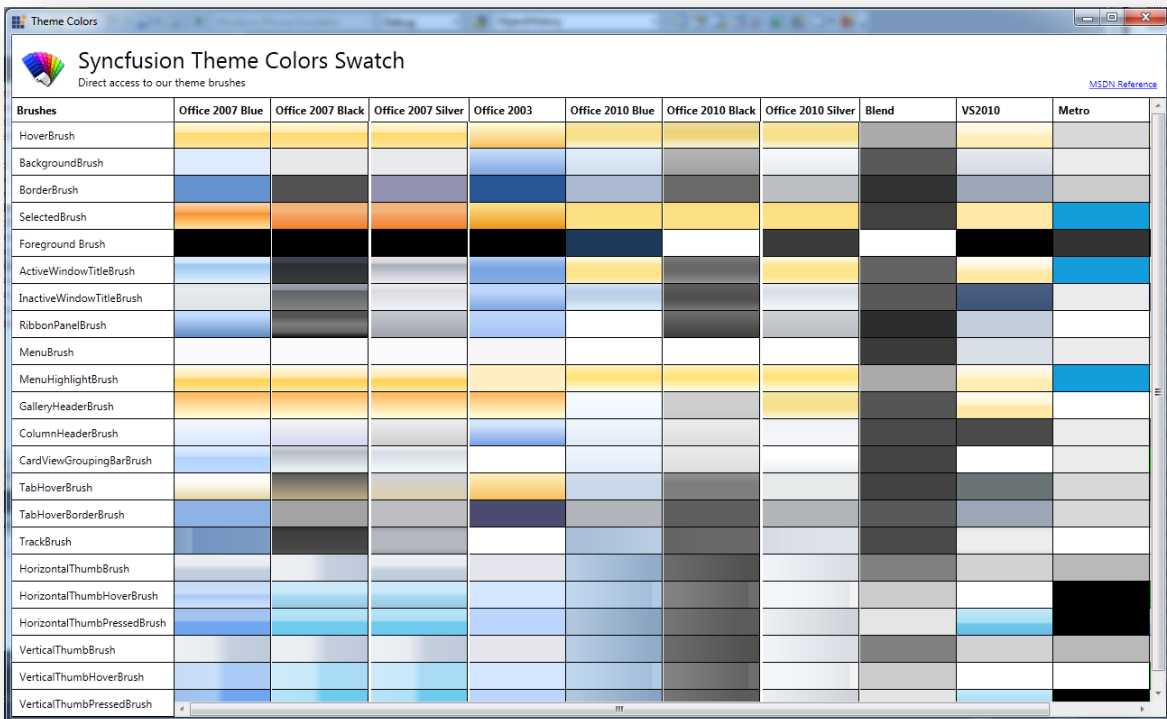
Stand-alone Pinnable List Box



Pinnable List Box Integrated with Ribbon Control

Resource IDs for Brushes

The skin manager is used to apply a theme to any Essential Tools for WPF control. With the new brush resource IDs for each Syncfusion WPF theme, users can quickly set the brush they wish to use for any UI element. Basic Microsoft controls can also make use of the Syncfusion brush resource IDs.



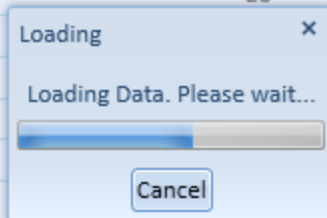
Syncfusion Brush Resource IDs

Busy Indicator

A busy indicator is used to show end users that an application is working on something. The busy indicator features numerous customization options. Users can set a header and a description for the indicator, as well as where the description will appear in relation to the progress bar. Users can set whether the progress bar in the busy indicator will display the actual progress of the ongoing process. The busy indicator also provides a delay property that allows users to specify an amount of time to wait before the application displays the busy indicator.

Other customizable options include a visibility property for the **Close** button of the busy indicator and the option to set the background application in grayscale while the busy indicator is displayed.

| Sample | | | |
|--------|-----------|---------------|---------------|
| ID | Name | Price in 2000 | Price in 2010 |
| 1 | Rice | 21 | 59 |
| 2 | Wheat | 35 | 46 |
| 1 | Oil | 22 | 32 |
| 4 | Corn | 9 | 28 |
| 5 | Gram | 23 | |
| 6 | Milk | 80 | |
| 7 | Butter | 16 | |
| 8 | Ghee | 7 | |
| 9 | Oats | 29 | |
| 10 | Cheese | 35 | 44 |
| 11 | Ragi | 31 | 29 |
| 12 | Chocolate | 37 | 43 |
| 13 | Olive | 15 | 47 |



Busy Indicator with Header, Description, and a Determinate Progress Bar

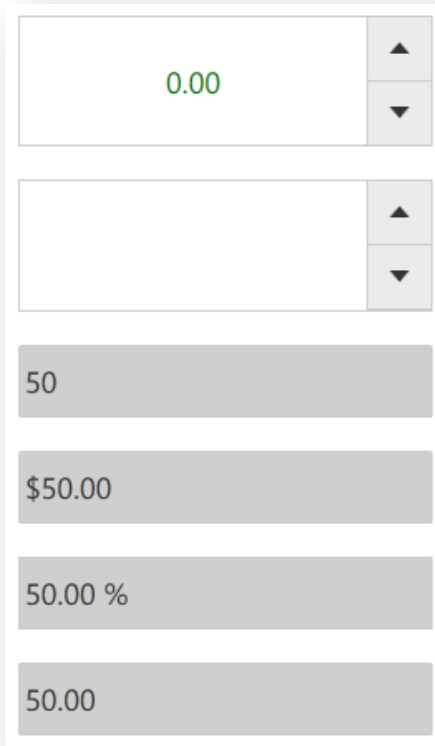
WPF 4 Manipulation

WPF 4 support has been added to several controls included in Essential Tools for WPF. The editor controls, such as the IntegerTextBox, now support extended scrolling for increasing or decreasing their value on touchscreen devices. The Carousel control now supports touch manipulation for navigating between carousel items.

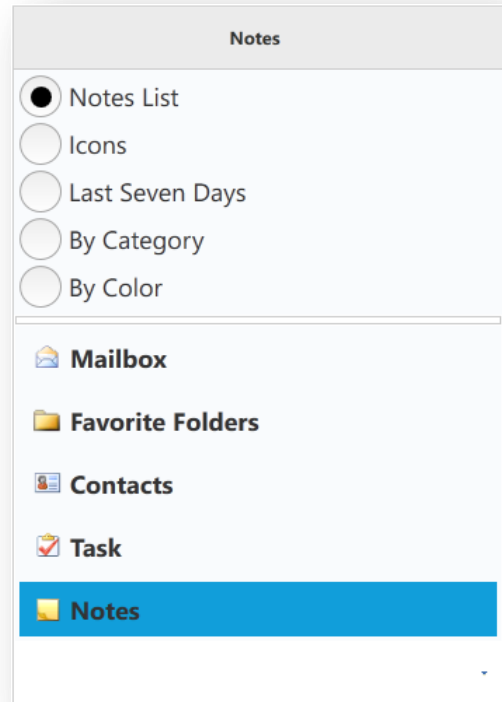


IntegerTextBox with Extended Scrolling

The default size of numerous other controls has been increased to make these controls usable with touchscreen devices. These controls include our Button, TreeView, MenuAdv, Tab, ComboBox, and Slider controls, and many more.



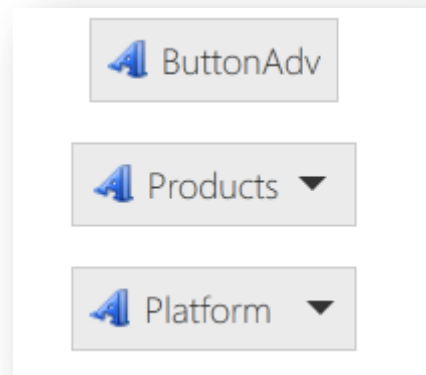
Improved Editor Controls



Improved GroupBar and RadioButton Controls



Improved RangeSlider Control



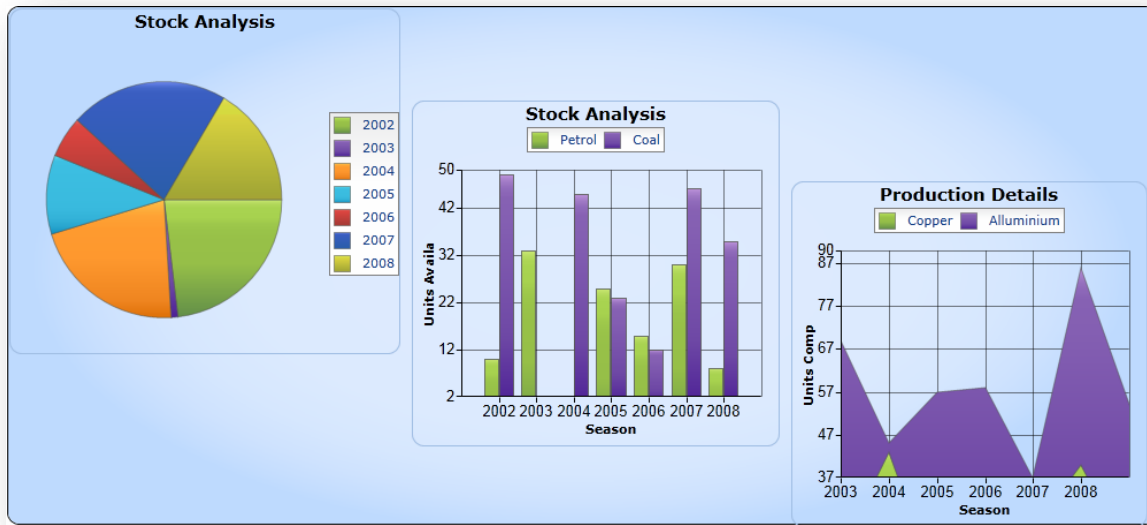
Improved Button Controls

Silverlight

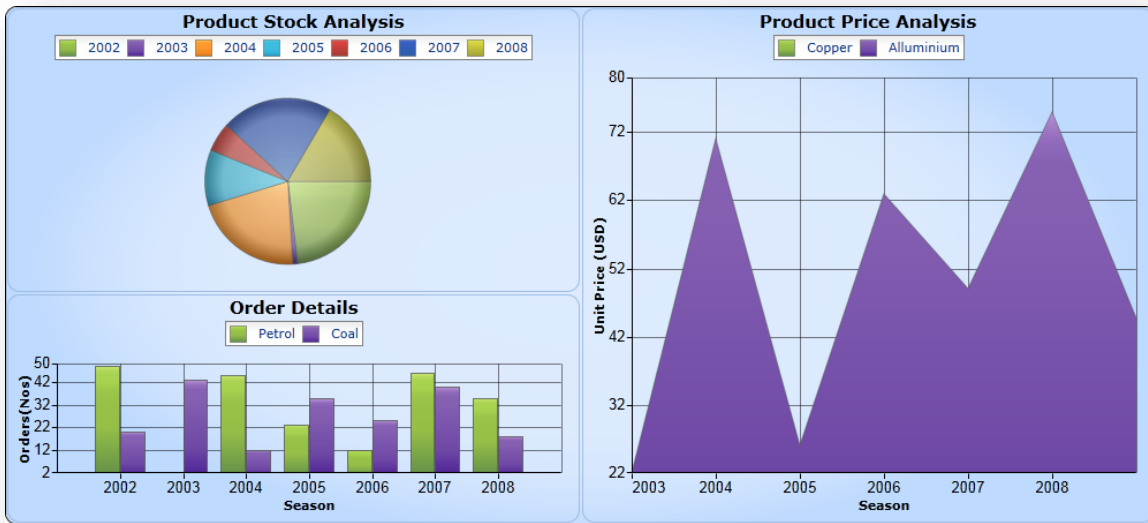
- Essential Chart

Area Panel Support

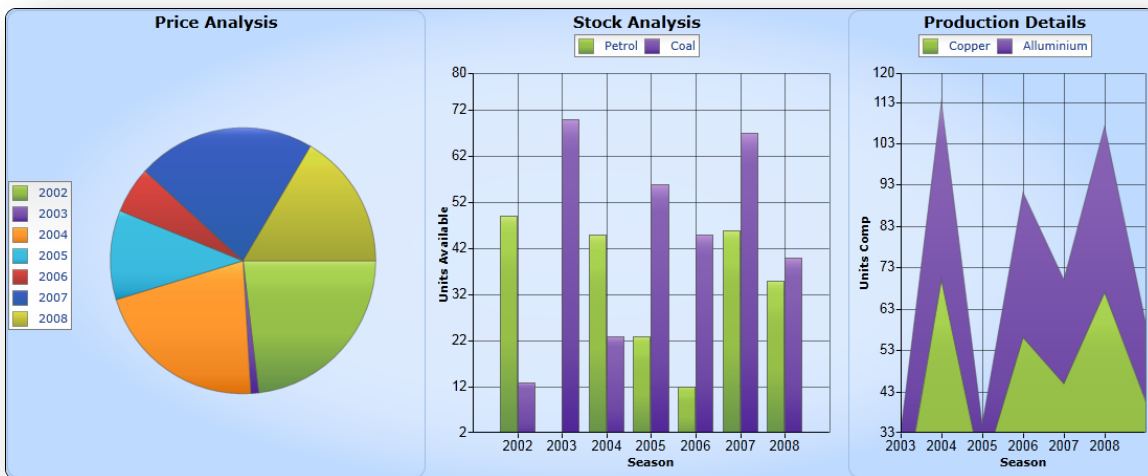
The area panel support allows users to easily arrange multiple chart areas. Charts can be set in different layouts, namely a grid panel, canvas panel, or stacked panel layout. Users can even set their own customized panel layouts for arranging chart areas.



Canvas Panel Layout



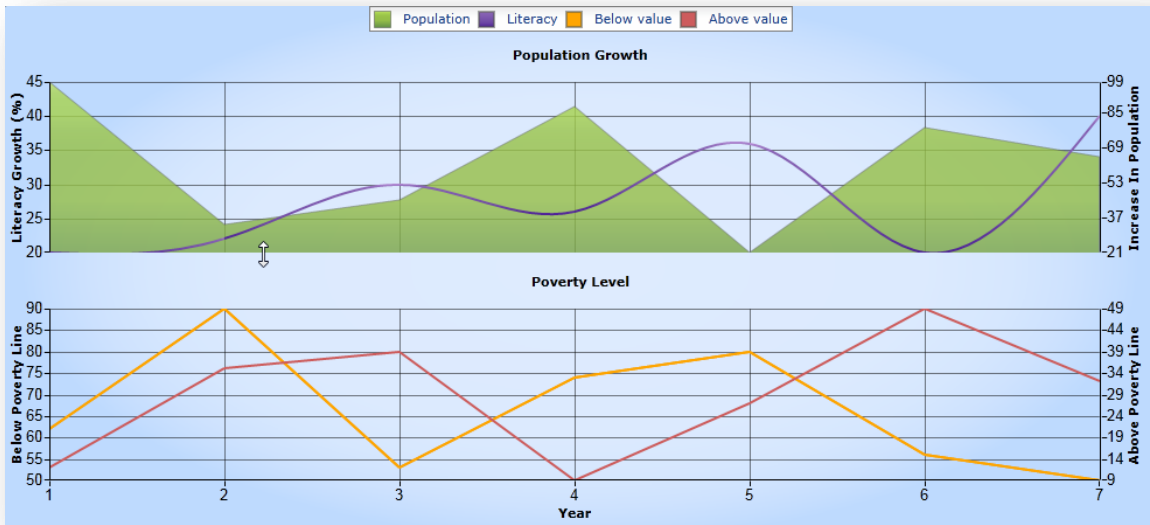
Grid Panel Layout



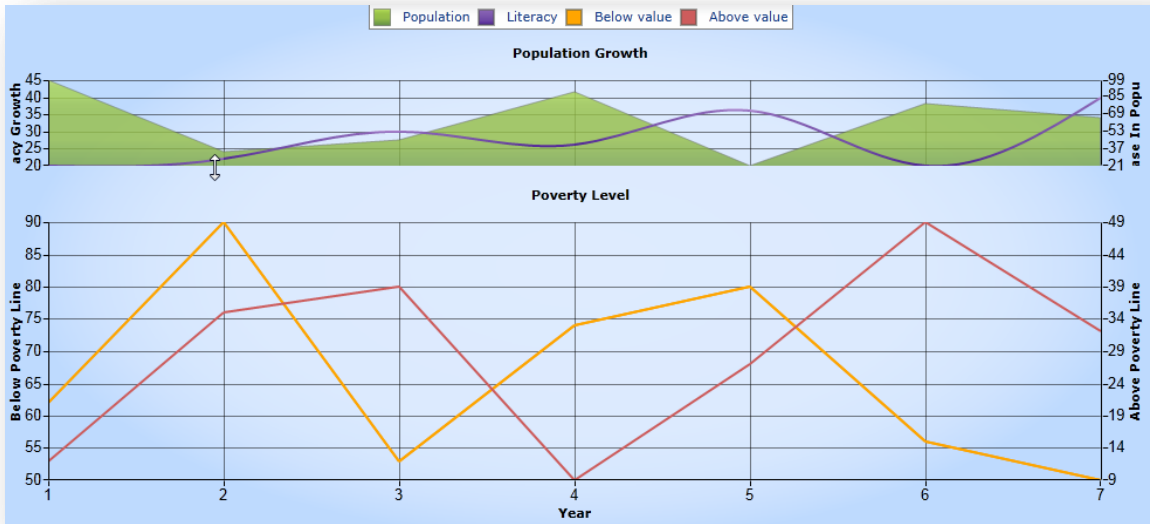
Stacked Panel Layout

Synchronized Chart Areas

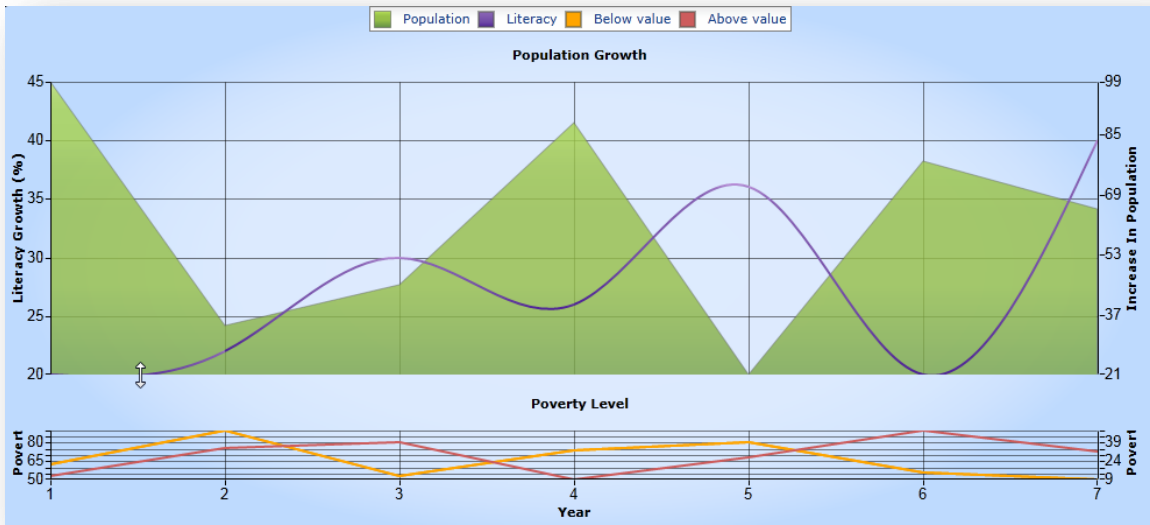
Synchronizing chart areas allows multiple charts to share a common primary axis while maintaining a unique secondary axis for each chart. This feature is useful when comparing two sets of data that share a common measurement. With this feature, a chart area can be resized by clicking and dragging, and the other chart area will be resized automatically. Users can set maximum and minimum resize heights for the chart areas. Zoom support is also available, and can be used to zoom in on both chart areas simultaneously along the shared axis.



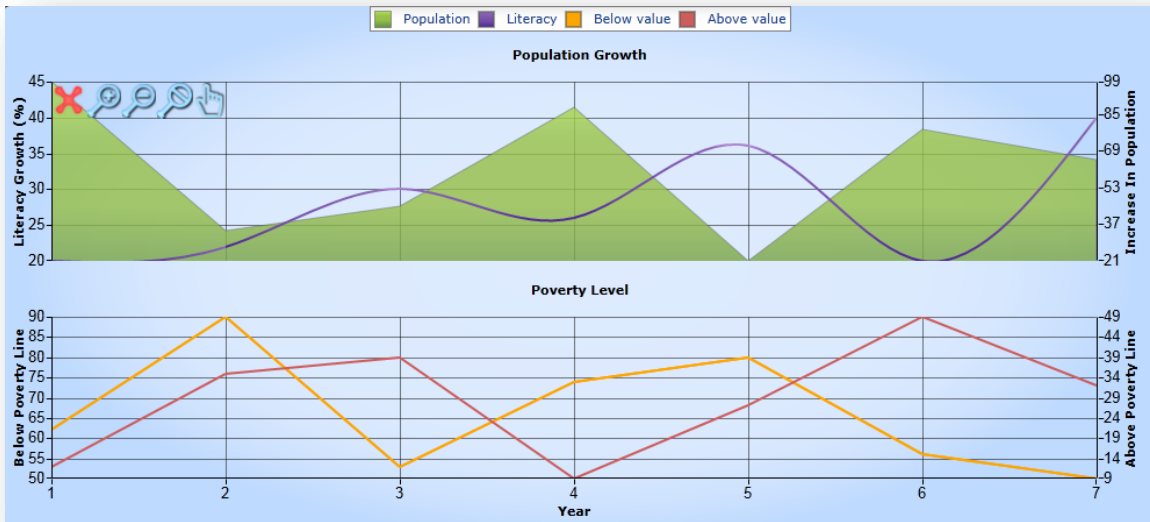
Synchronized Chart Areas Sharing an X-Axis



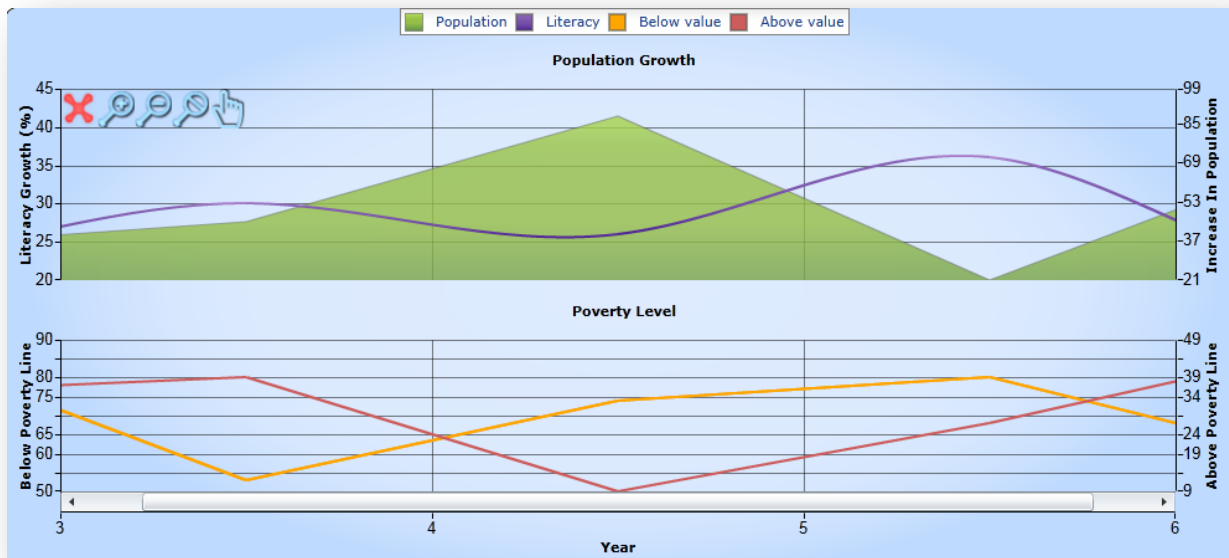
Resized Synchronized Chart Areas



Resized Synchronized Chart Areas



Zoom Options for Synchronized Chart Areas



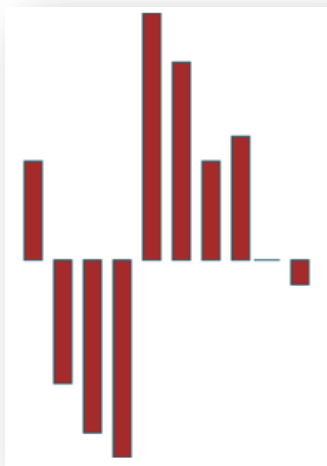
Zoomed in on Synchronized Chart Areas

Sparkline Support

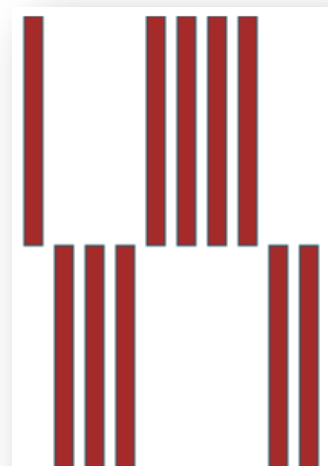
Sparklines provide compact charts of high-density data, similar to those featured in Microsoft Excel. They are drawn without axes or coordinates to represent general variations in data. Three types of sparkline charts are available: column, line, and win-loss. Data series in sparkline charts can be highlighted.



Line Sparkline Chart



Column Sparkline Chart



Win-Loss Sparkline Chart

Watermark Support

Watermark support has been added to Essential Chart for Silverlight, enabling users to add a text or image watermark behind the chart area. Watermarks can be useful in preventing illegal copying of charts when accessed by unauthorized users. Extensive customization options are available for chart watermarks, including font, font size, image stretch, font color, alignment, opacity, and rotation angle.

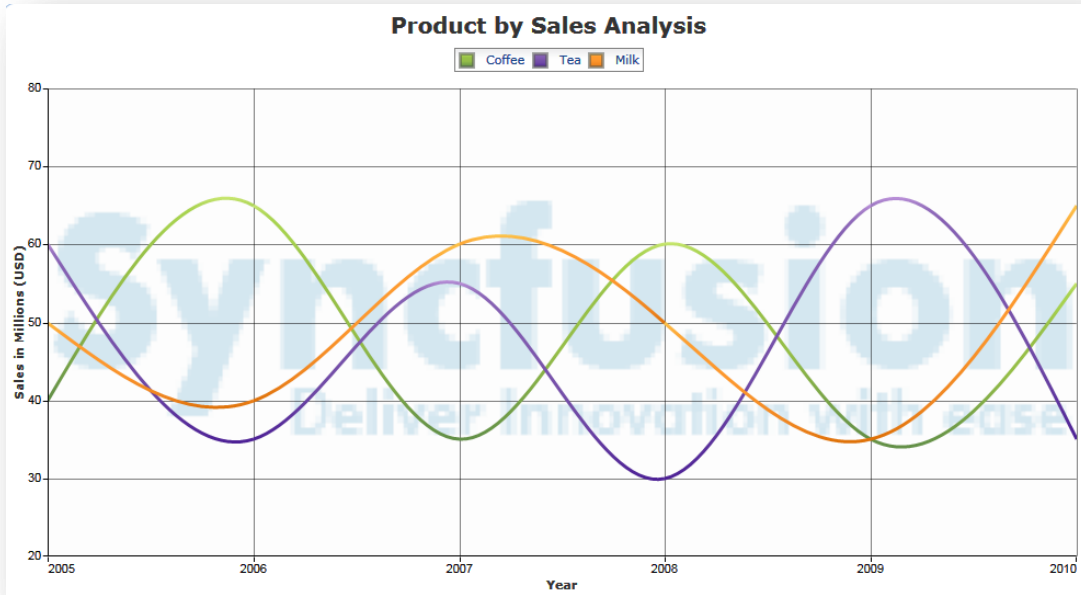
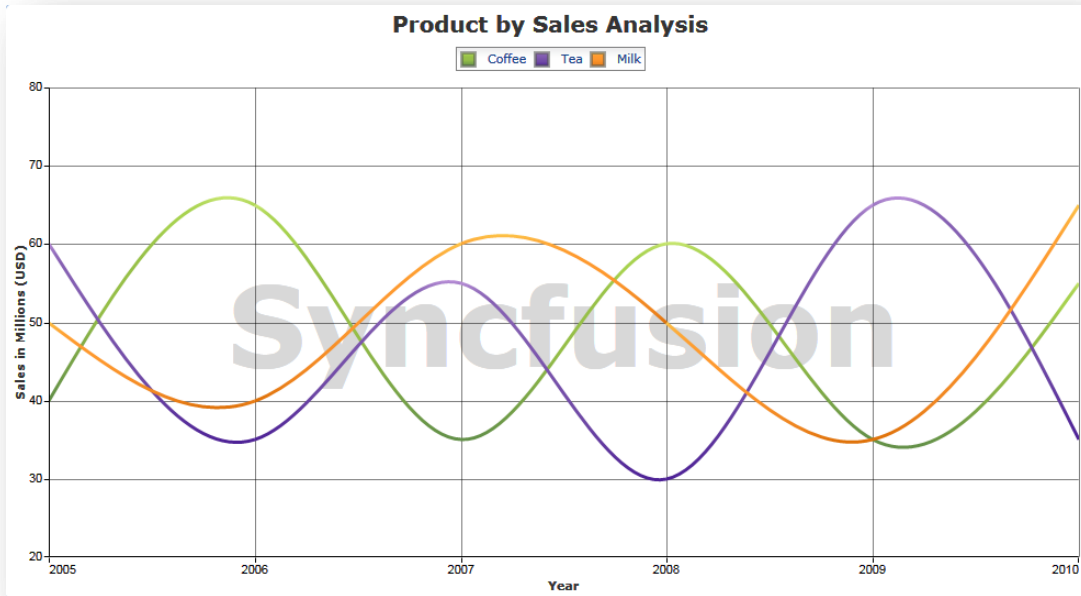


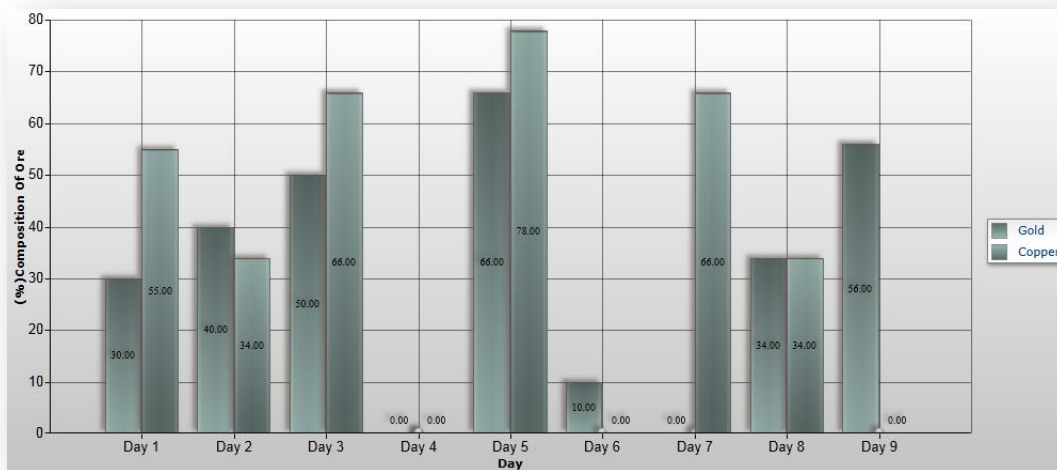
Image Watermark



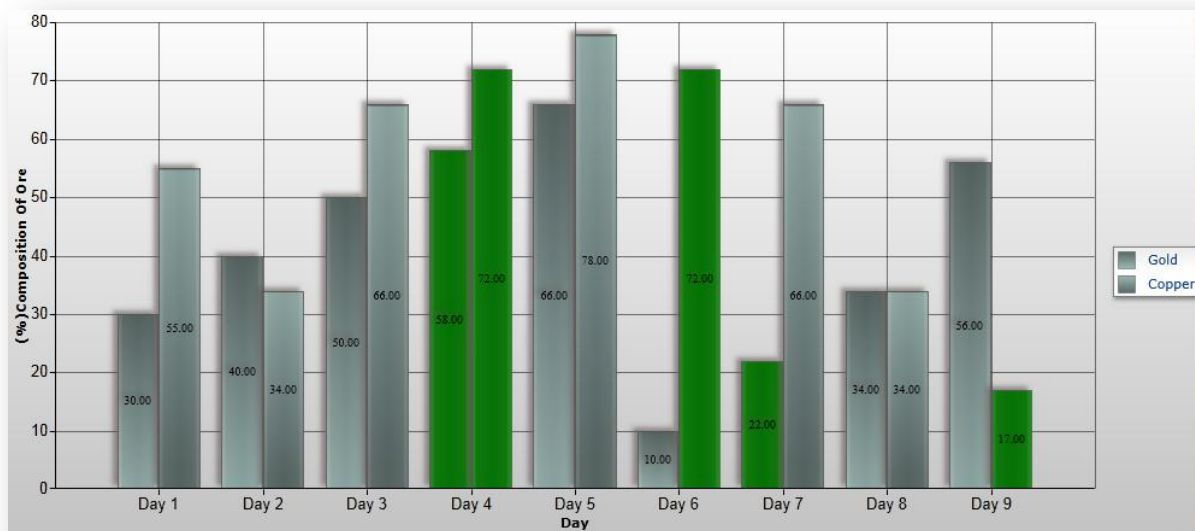
Text Watermark

Empty Point Support

Empty point support allows users to add valueless points to charts where no data is needed for certain chart series. For instance, if a chart is used to show data taken from Monday through Friday, Saturday and Sunday can be present in the chart but be assigned empty points. Users can customize how empty points will appear in charts. Empty points can be set as symbols, images, or with custom colors. Empty points can also be used to display the average of a previous chart series and the next two.



Column Chart with Empty Points

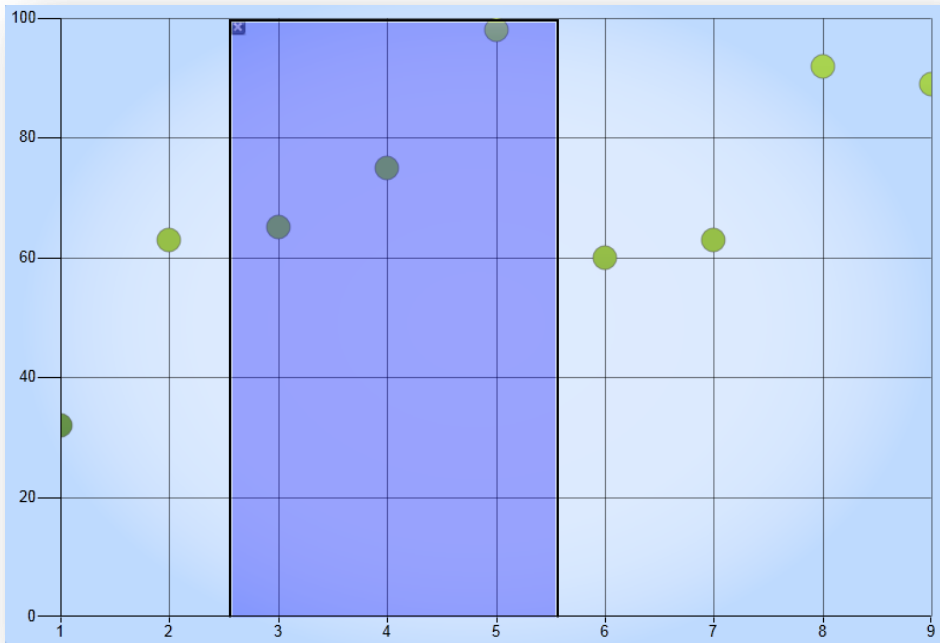


Empty Points Used to Show Average of Previous and Next Two Chart Segments

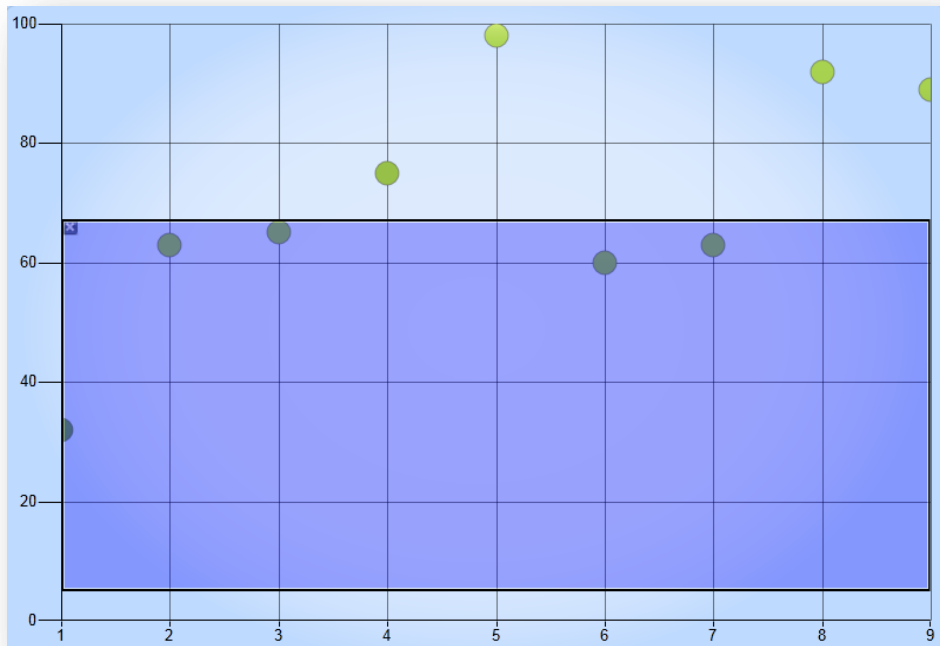
Range Highlight and Selection

The range selection feature allows users to select a particular range of an axis. The selection is shown as a colored rectangle over the range that is being selected. Users can select a range on a primary or secondary axis.

The range highlight feature allows users to highlight a particular interval on a chart's axis. A range can be highlighted on a primary or secondary axis.



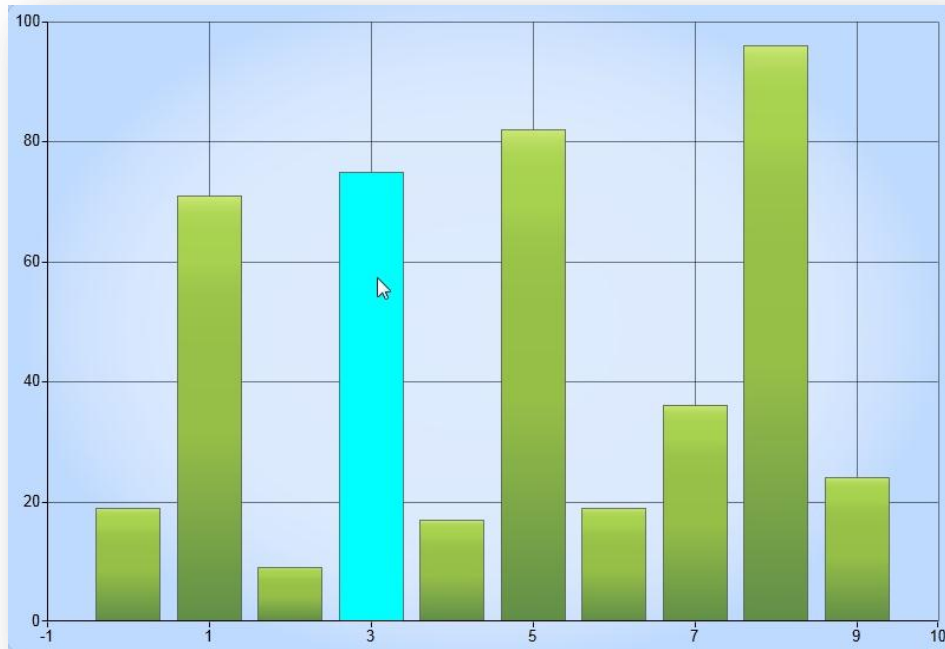
Range Highlight on Primary Axis



Range Highlight on Secondary Axis

Data Point Highlight and Selection

The data point highlight feature allows users to highlight a particular segment of a chart series. The color of the highlighted segment will be a different color from the rest of the data series. The highlight color can be customized. The data point selection feature lets users click on a data point to select it.



Highlighting a Data Point

Alternating Background Support

Users can set different backgrounds for different segments of a chart based on axis intervals. Alternating backgrounds can be applied horizontally or vertically in a chart area, providing more control over its look and feel.



Line Chart with Alternating Background

Axis Label Position

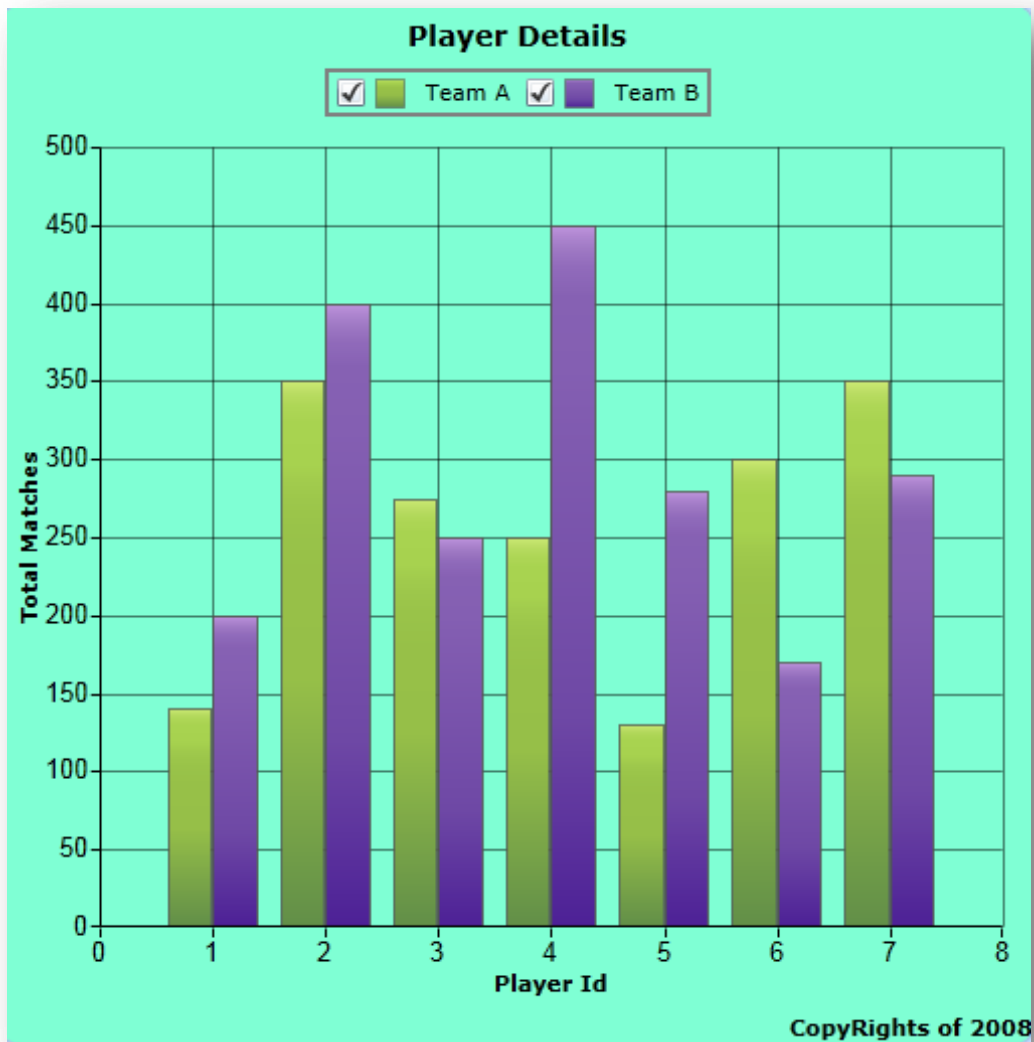
Formerly, axis labels were always placed on the outside of an axis. This feature allows chart axis labels to be set above, below, or across the axis lines.

Panning Support for Chart Area

Panning support has been added to allow users to navigate a chart area more easily. This is especially useful when a user has zoomed in on the chart area.

Footer Support

This feature enables users to place content such as copyright or other identifying information at the bottom of a chart area.



Column Chart with Footer

Scale Break Support

Charts can now feature a scale break to include outlying data in the chart area. Scale breaks are very useful when there is a break in continuity of the values plotted on the secondary axis. Scale breaks can be added to a chart automatically or set manually. The appearance of the scale break can be customized to be a straight line, a wave-like line, or the appearance can be randomized. Other customizable options include the line color, line thickness, space color, space width, and line style.

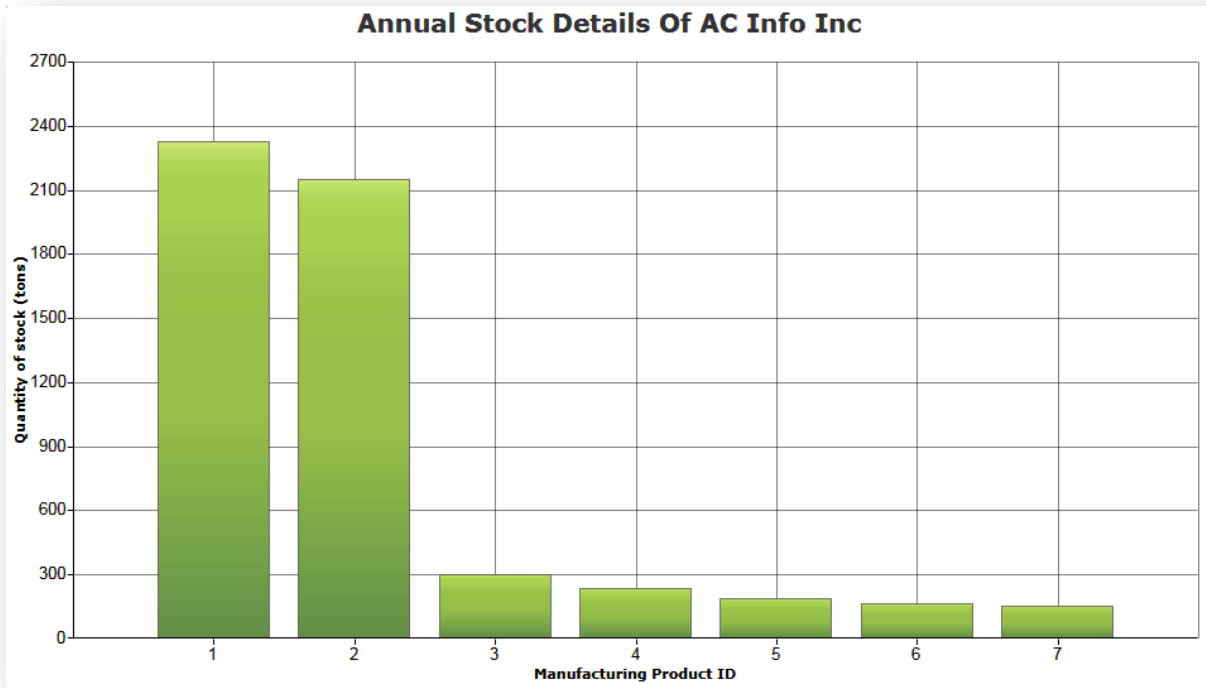


Chart without Scale Break

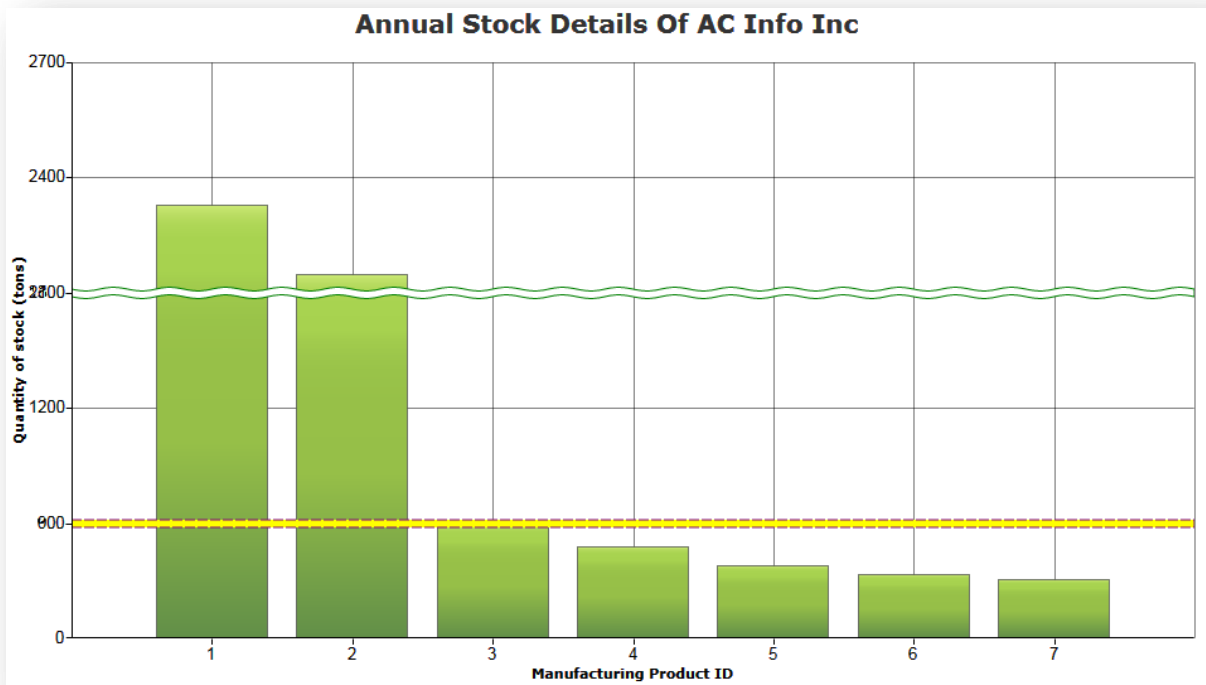


Chart with Scale Break

Sorting Support

This feature allows chart series data to be sorted in ascending or descending order. Chart data can be sorted based on x-axis values, y-axis values, or both, allowing users to quickly reorganize and analyze their data as needed. Both indexed and non-indexed axes can be sorted.

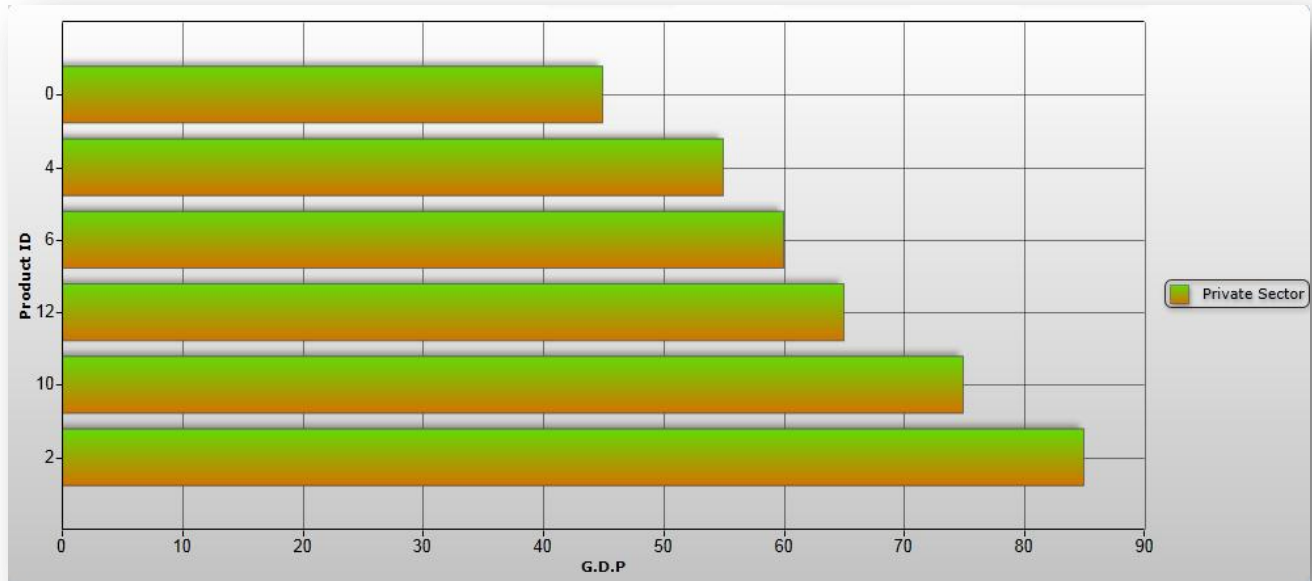
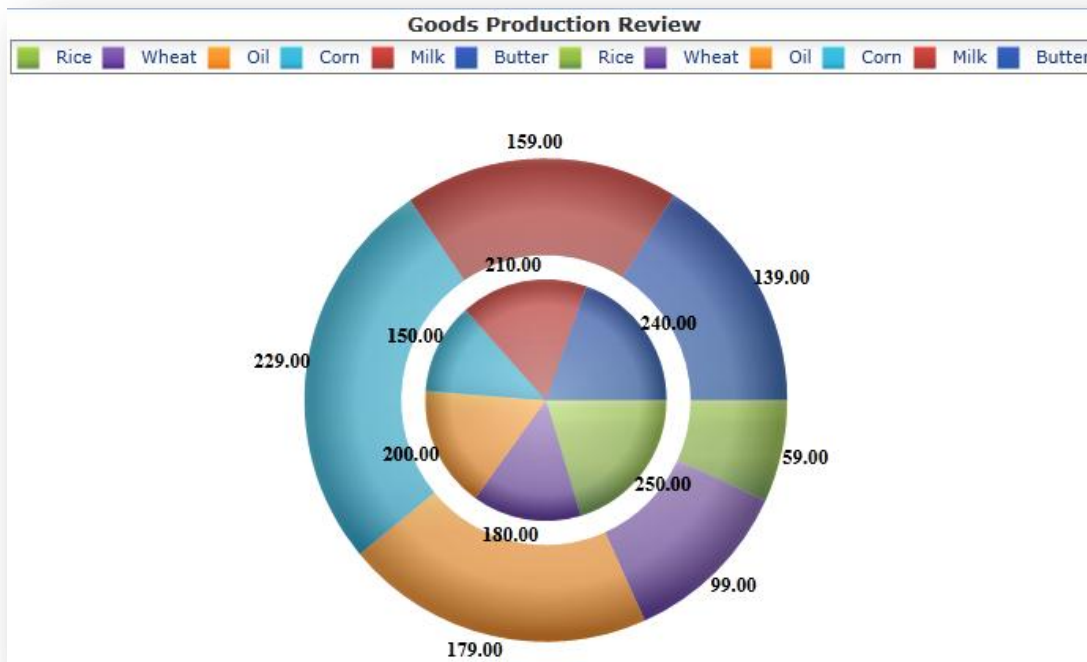


Chart Data Sorted in Descending Order

Multiple Pie Chart

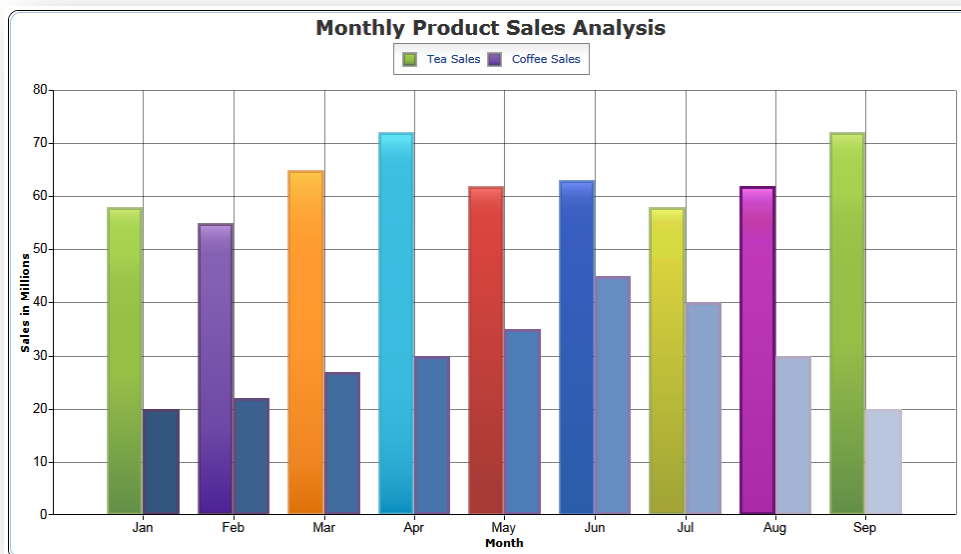
This feature allows users to have multiple pie chart series within a single chart area in a concentric manner, resulting in an inner pie chart, and outer pie chart, an outermost pie chart, and so on. This feature enables users to visualize and analyze a greater amount of data than is normally possible in a single pie chart.



Multiple Pie Charts

Multicolor Segments

Users can apply different colors to chart segments with the built-in color palette or their own custom palette. This allows users to visually distinguish between different chart series. This feature also provides functionality to apply different stroke types, both built-in and custom, to chart series.



Column Chart with Multicolor Segments

Statistical and Utility Functions

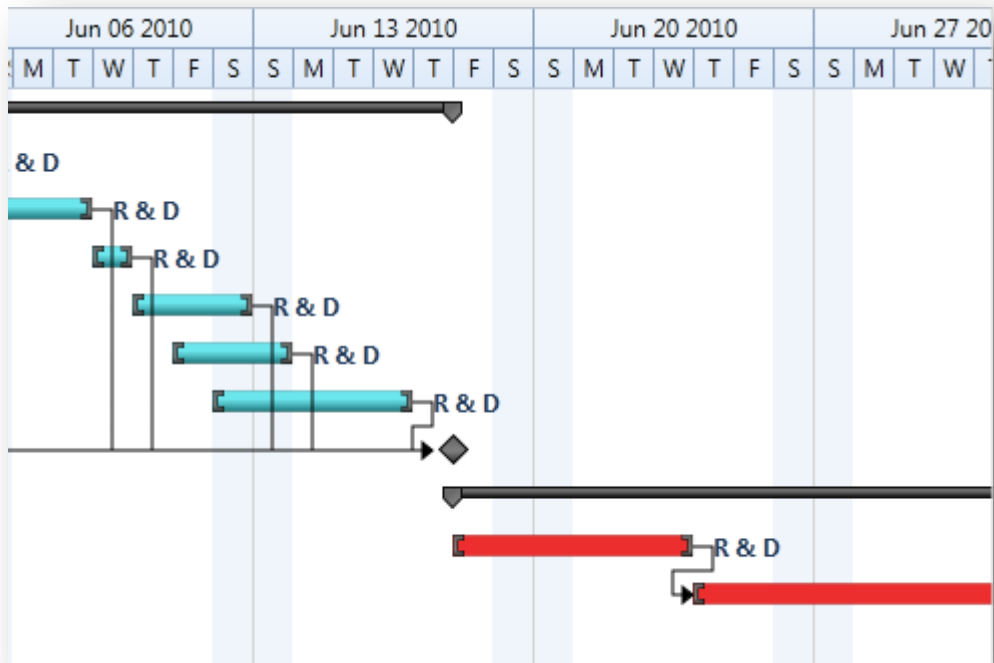
Statistical function support has been added to Essential Chart for Silverlight. These functions can be used to analyze chart data by computing the average, standard deviation, variance, and more. This is very useful when the chart is bound to a data set. The computations are done on the back end, and users are given the results of the computations as raw data. The output of the functions is not plotted in the chart.

Essential Chart for Silverlight also now supports four types of utility functions for performing statistical tests on chart data: F-test, T-test, ANOVA, and Z-test. These functions provide raw data output for use in statistical analysis.

■ Essential Gantt

Highlighting Tasks

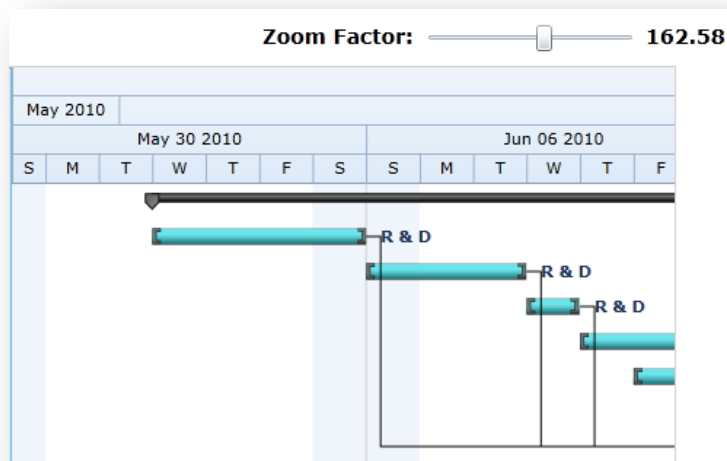
Users can highlight any task in a Gantt chart by providing the list of tasks that need to be highlighted as input through the provided API. Using this feature, users can highlight critical project tasks.



Highlighting Tasks in a Gantt Chart

Zooming Support in a Gantt Chart

Users can easily zoom between years and minutes by specifying the zoom factor. Users can also achieve zooming at the sample level by handling the provided event. The schedule type and schedule cell size will dynamically change based on the zoom factor.



Zooming in a Gantt Chart

- **Essential Grid**

Blendability

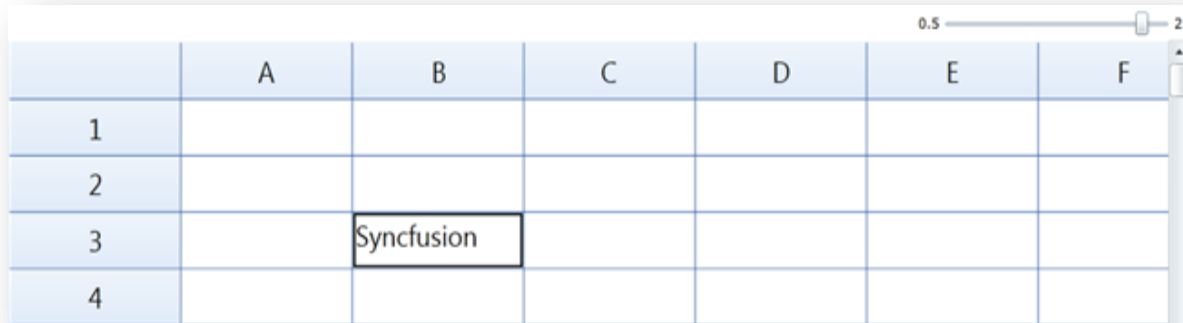
Users can customize the appearance of the GridTree control using Microsoft Expression Blend. The appearance of header styles, cell styles, expander styles, and row styles can be customized using Blend.

| Author Name | ISBN | Title | Publisher Name |
|--------------------------|--------------|----------------------------|---------------------|
| ▼ Alexandre Dumas | | | |
| Alexandre Dumas | 0-123-1233-0 | The Three Musketeers | Grosset & Dunlap |
| Alexandre Dumas | 0-125-3344-1 | The Black Tulip | P. F. Collier & Son |
| Alexandre Dumas | 0-124-5544-X | The Titans | Harper |
| ▼ James Clavell | | | |
| James Clavell | 0-128-3939-2 | Gai-Jin | Delacorte |
| James Clavell | 0-128-3939-X | Noble House | Delacorte |
| James Clavell | 0-128-4321-1 | Tai-Pan | Delacorte |
| ▼ Anne McCaffrey | | | |
| Anne McCaffrey | 0-129-4567-1 | Dragonsong | Atheneum |
| Anne McCaffrey | 0-129-4912-0 | Dragonsinger | Atheneum |
| Anne McCaffrey | 0-130-2939-4 | The White Dragon | Ballantine Books |
| ▼ Robert Louis Stevenson | | | |
| Robert Louis Stevenson | 0-134-3945-7 | A Child's Garden of Verses | Scribner |
| Robert Louis Stevenson | 0-129-4912-0 | Treasure Island | J. W. Lovell Co. |
| Robert Louis Stevenson | 0-130-2939-4 | Kidnapped | Mead Dodd |
| Robert Louis Stevenson | 0-134-3945-7 | A Child's Garden of Verses | Scribner |

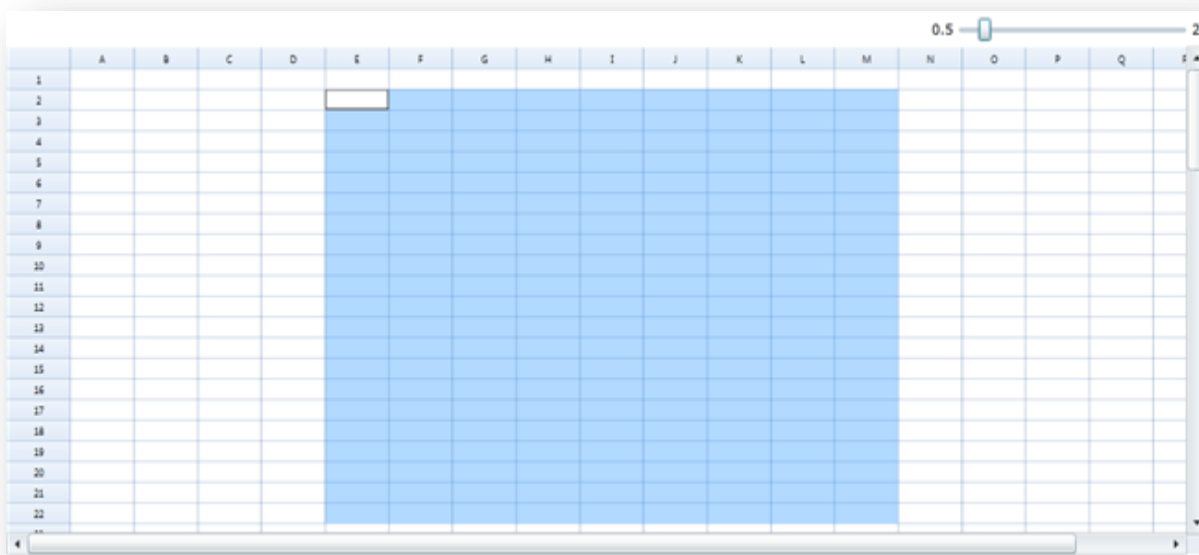
Customized GridTree Control

Zoom Support

Users can zoom in and out of the grid by changing the zoom scale of the control. The zoom factor is controlled by a slider.



Zoomed-in Grid



Zoomed-out Grid

■ Essential Spreadsheet

Displaying and Editing Named Ranges

The named ranges feature in Essential Spreadsheet makes it possible to assign a name to a particular range of cells. The spreadsheet has a name box in the formula bar for inserting new named ranges and to display existing named ranges. Named ranges are mainly used in formulae.

| Range1 | | 987 | | | |
|--------|-----|-----|---|---|--|
| | A | B | C | D | |
| 1 | 987 | 321 | | | |
| 2 | 654 | 789 | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |

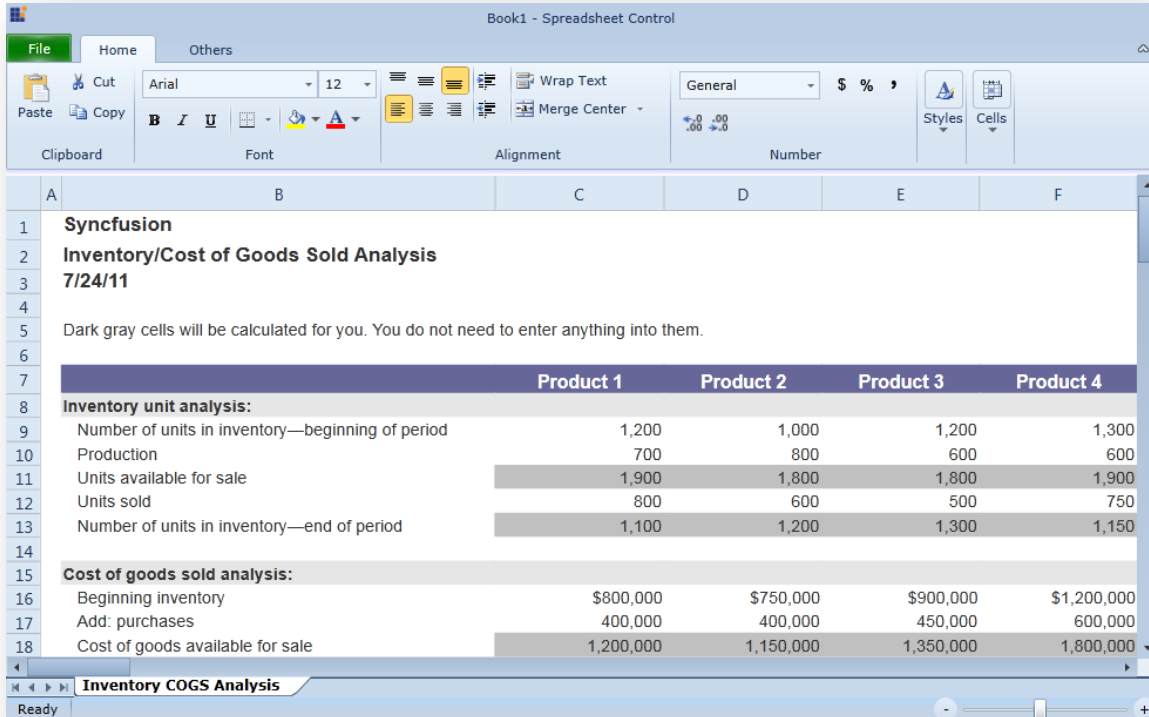
Naming a Range of Cells

| FormulaCell | | =Sum(Range1,Range2) | | | |
|-------------|-----|---------------------|---|------|---|
| | A | B | C | D | E |
| 1 | 987 | 321 | | | |
| 2 | 654 | 789 | | | |
| 3 | | | | | |
| 4 | | | | 4773 | |
| 5 | | | | | |
| 6 | 234 | 987 | | | |
| 7 | 234 | 567 | | | |
| 8 | | | | | |

Using Named Ranges in Formulae

Zoom Support

The Spreadsheet control allows you to zoom in to get a close-up view of the cells, and allows you to zoom out to view more cells at once by setting the zoom scale for the grid.

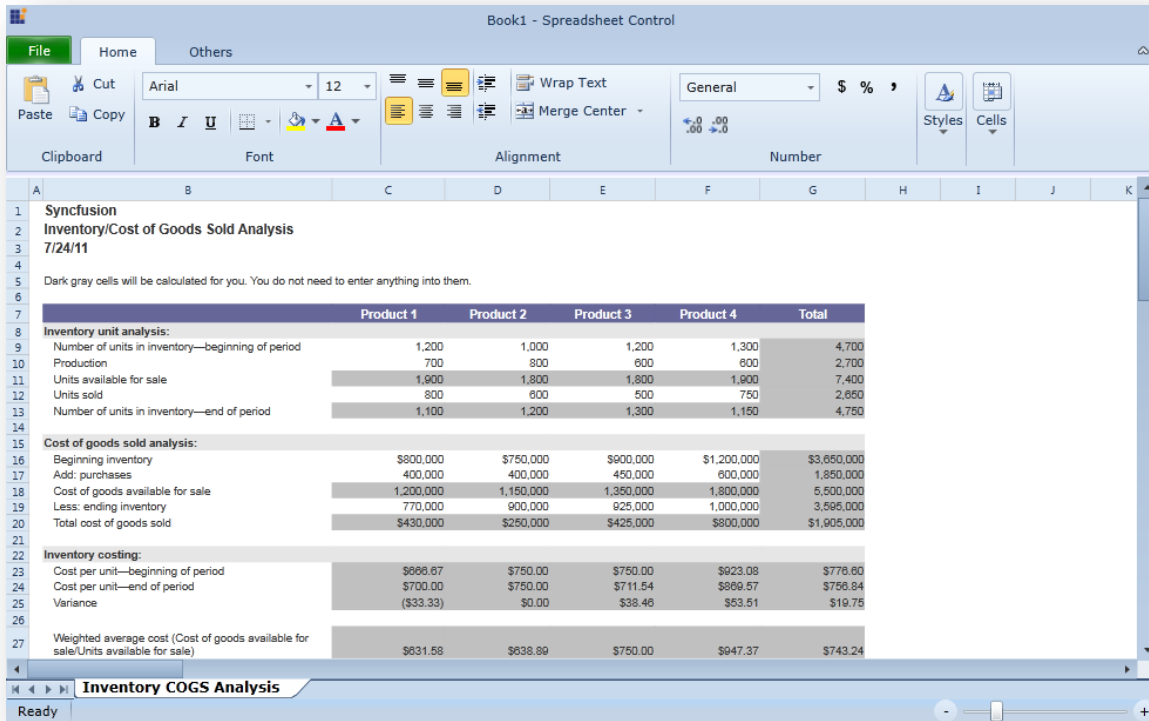


The screenshot shows a spreadsheet application window titled "Book1 - Spreadsheet Control". The ribbon includes "File", "Home", and "Others". The "Home" ribbon is active, showing options for Clipboard (Paste, Copy), Font (Arial, 12, Bold, Italic, Underline), Alignment (Wrap Text, Merge Center), and Number (General, \$, %, .00, .0). The spreadsheet content is as follows:

| | Product 1 | Product 2 | Product 3 | Product 4 |
|--|-----------|-----------|-----------|-------------|
| Inventory unit analysis: | | | | |
| Number of units in inventory—beginning of period | 1,200 | 1,000 | 1,200 | 1,300 |
| Production | 700 | 800 | 600 | 600 |
| Units available for sale | 1,900 | 1,800 | 1,800 | 1,900 |
| Units sold | 800 | 600 | 500 | 750 |
| Number of units in inventory—end of period | 1,100 | 1,200 | 1,300 | 1,150 |
| Cost of goods sold analysis: | | | | |
| Beginning inventory | \$800,000 | \$750,000 | \$900,000 | \$1,200,000 |
| Add: purchases | 400,000 | 400,000 | 450,000 | 600,000 |
| Cost of goods available for sale | 1,200,000 | 1,150,000 | 1,350,000 | 1,800,000 |

The spreadsheet title bar shows "Inventory COGS Analysis" and the status bar shows "Ready".

Zooming in a Spreadsheet



Zooming out of a Spreadsheet

Copying and Pasting Relative References

When copying and pasting formulas from one cell to another, expressions will automatically update based on the position of the target cell. You can also select between pasting formulas or values.

| | | | |
|----|------|-------------|-----|
| A1 | | =Sum(B1,C1) | |
| | A | B | C |
| 1 | 753 | 432 | 321 |
| 2 | 1197 | 654 | 543 |
| 3 | | | |
| 4 | | | |
| 5 | | | |

Copying Formulas in a Cell

| | A | B | C | D | E | F | G | H |
|----|------|-----|-----|------|-----|-----|---|---|
| 1 | 753 | 432 | 321 | | | | | |
| 2 | 1197 | 654 | 543 | | | | | |
| 3 | | | | | | | | |
| 4 | | | | 753 | 432 | 321 | | |
| 5 | | | | 1197 | 654 | 543 | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |

D4 =SUM(E4,F4)

Formulas
Values

Choosing to Paste Formulas or Values

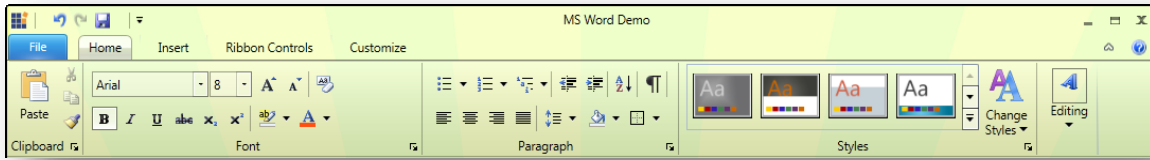
Essential Tools

Skin Manager Transparent Theme

A new “Transparent” theme has been added as a built-in skin to the skin manager framework for Silverlight controls. Users can easily apply this skin to individual controls or at the application level. Both Syncfusion and Microsoft Silverlight controls can use this theme.



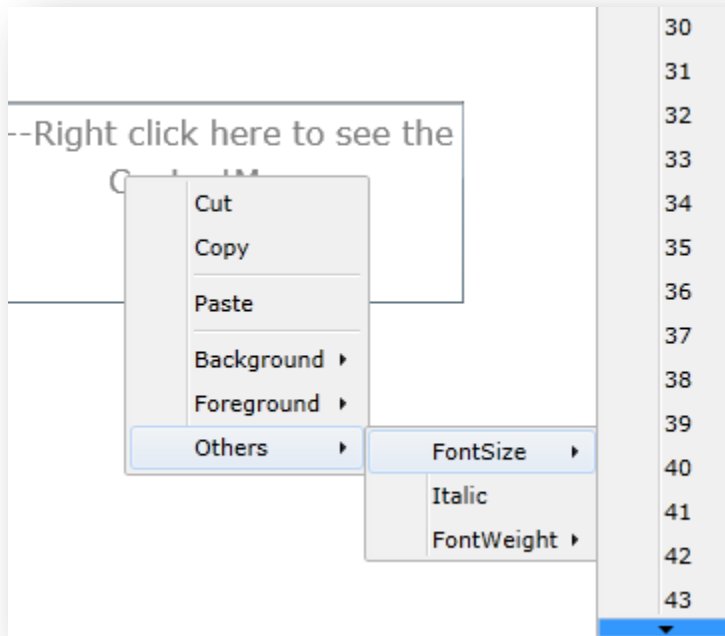
CalendarEdit Control with Transparent Theme



Ribbon Control with Transparent Theme

Scrolling in Context Menu

This feature allows users to scroll through menus that are very long in the context menu via scroll buttons. For instance, if a context menu lists an option for selecting a font size, the different font sizes can be displayed in a scrollable list. This feature supports all Syncfusion Silverlight themes.



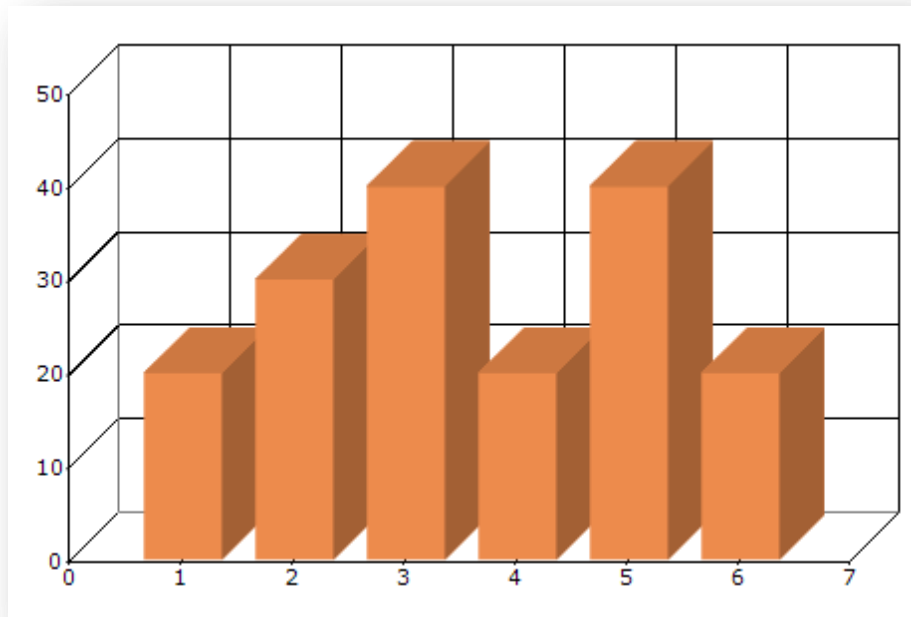
Scrollable Context Menu

Windows Forms

- Essential Chart

Improved 3-D Chart Appearance

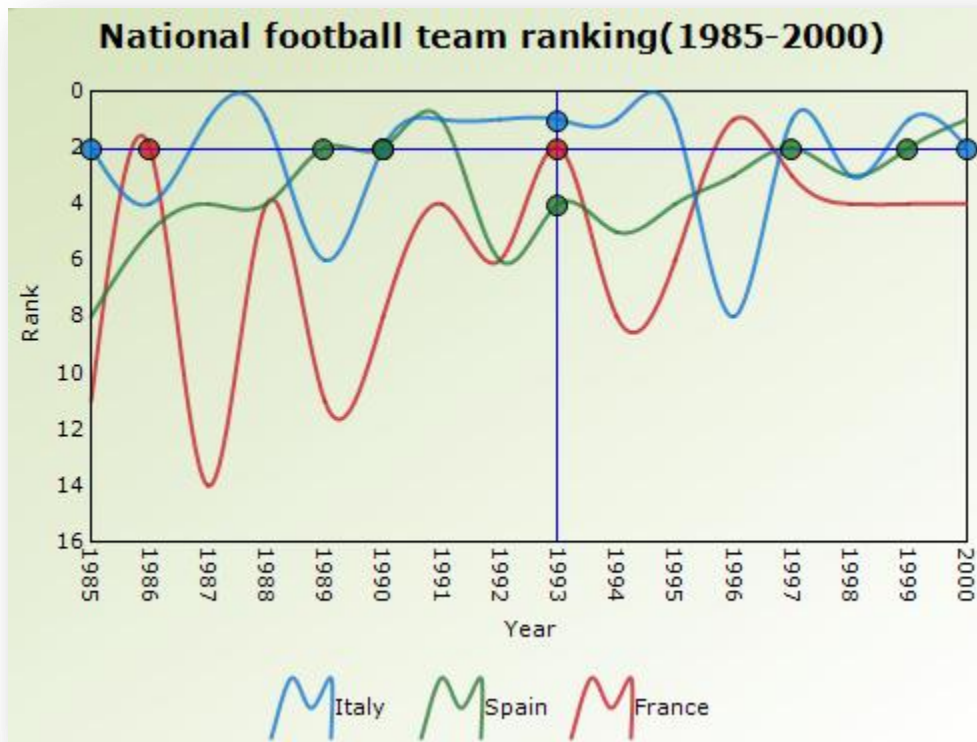
The interior walls of 3-D charts have been enhanced with color effects to improve the chart appearance for many 3-D chart types such as column, column range, bar, area, spline area, step area, candle, and histogram.



Improved Chart Appearance

Interactive Cursor Support

Essential Chart provides interactive cursor support for the chart area. This support is used to show points where the cursor and data series intersect when the user moves the cursor inside the chart area.



Interactive Cursor on Spline Chart

- Essential Diagram

Dragging, Resizing, and Rotation Styles

Essential Diagram now provides dragging, resizing, and rotation styles such as ghost copy, filled rectangle, solid outline, and dashed outline for nodes. These styles help increase the performance speed of the diagram while dragging, rotating, or resizing nodes.

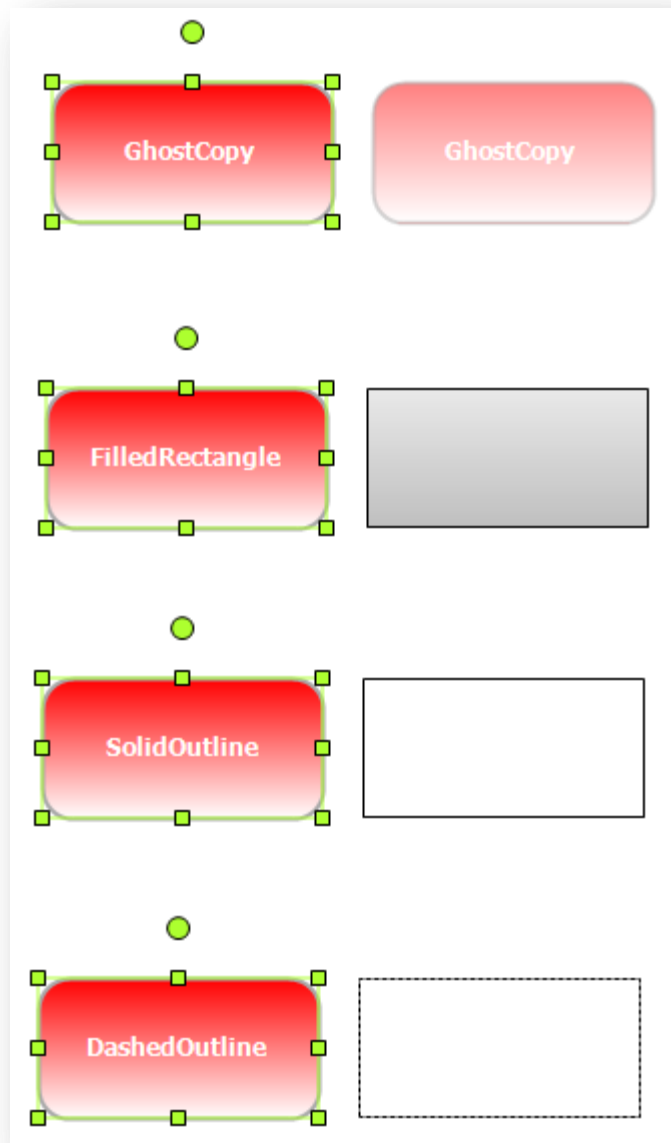
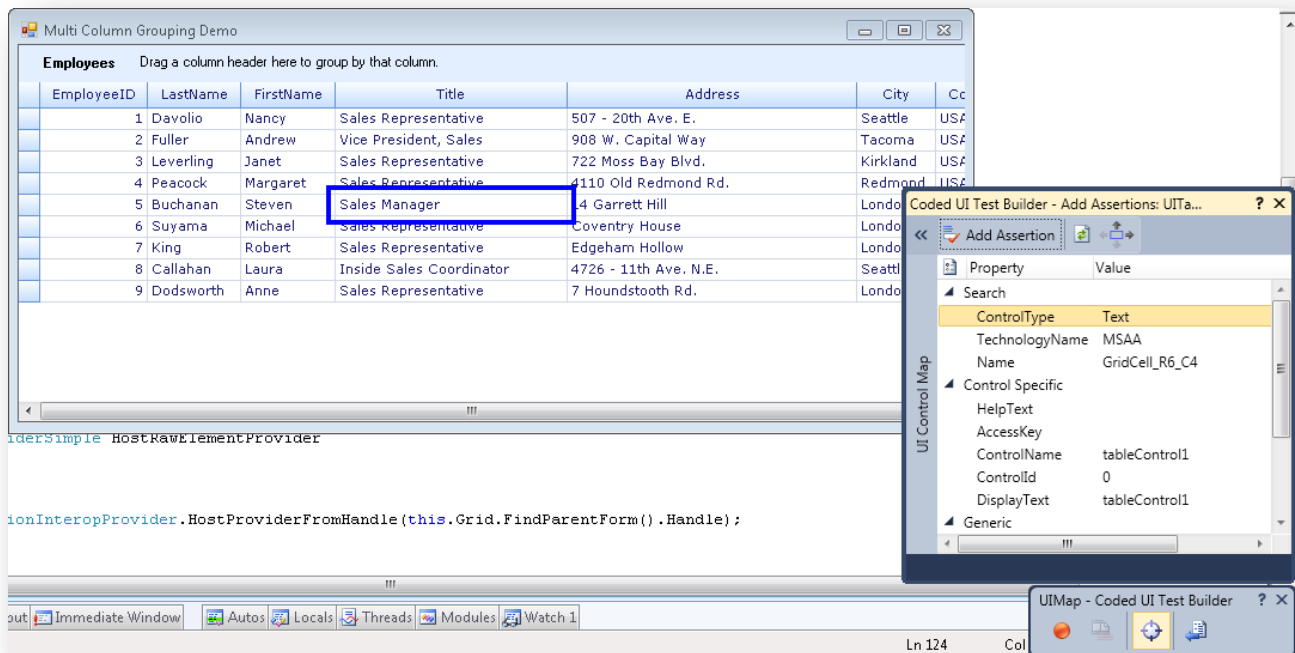


Diagram Nodes with Different Styles

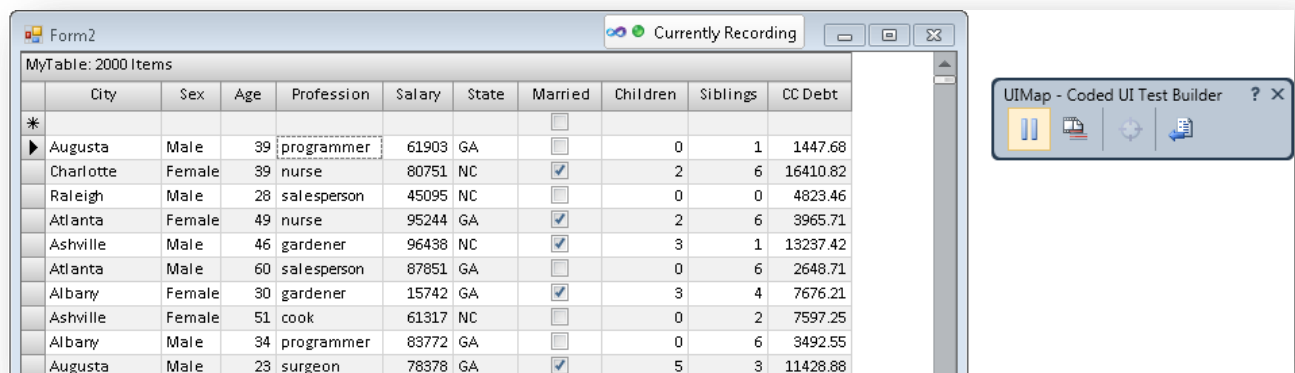
■ Essential Grid

Coded UI Support for .NET 3.5 and 4.0

Essential Grid now provides coded UI support for .NET frameworks 3.5 and 4.0. This support allows you to test the properties of grid cells easily. With this support, you can also validate the grid operations using the **Record** option in Coded UI Test Builder.



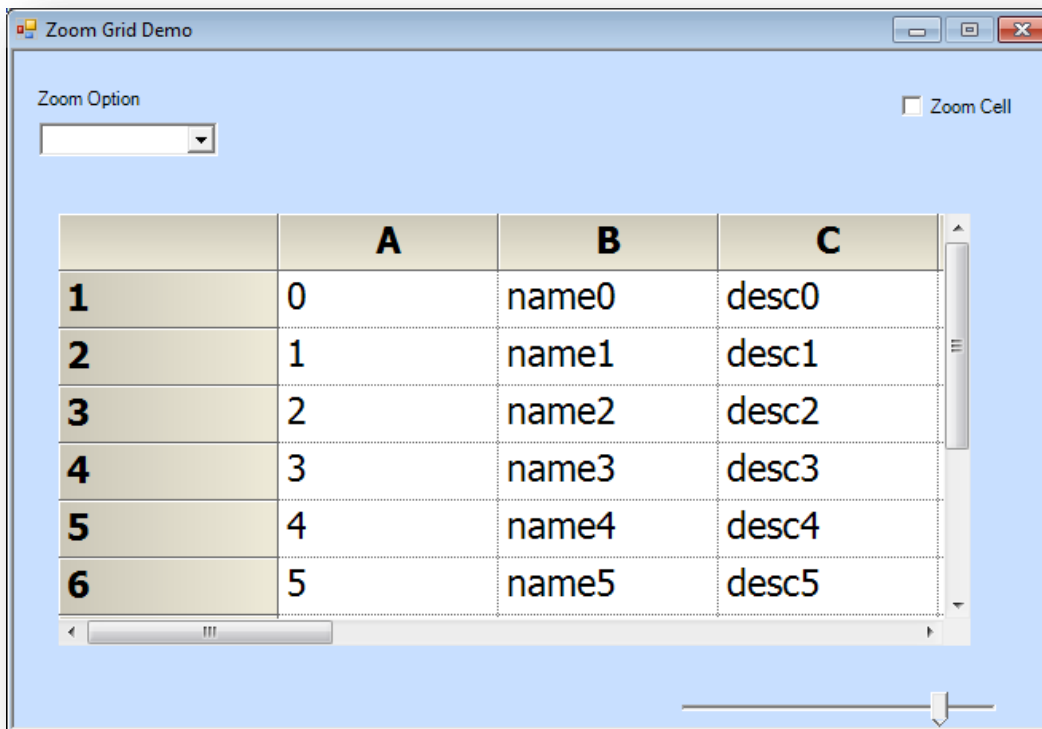
Coded UI Support with Cell Property Details



Coded UI Test Builder with Record Option

Zoom Support

Essential Grid now provides zooming support for the Grid, GridDataBoundGrid, and GridGrouping controls. With this support, users can zoom in or out of the entire grid as well as individual cells of the grid.



Zooming in on an Entire Grid

| | A | B | C | D | E | F | G | H |
|----|---|-------|-------|-------|-------|----------|---|---|
| 1 | 0 | name0 | desc0 | addr0 | city0 | country0 | | |
| 2 | 1 | name1 | desc1 | addr1 | city1 | country1 | | |
| 3 | 2 | name2 | desc2 | addr2 | city2 | country2 | | |
| 4 | 3 | name3 | desc3 | addr3 | city3 | country3 | | |
| 5 | 4 | name4 | desc4 | addr4 | city4 | country4 | | |
| 6 | 5 | name5 | desc5 | addr5 | city6 | 5 | | |
| 7 | 6 | name6 | desc6 | addr6 | | 6 | | |
| 8 | 7 | name7 | desc7 | addr7 | | 7 | | |
| 9 | 8 | name8 | desc8 | addr8 | city8 | country8 | | |
| 10 | 9 | name9 | desc9 | addr9 | city9 | country9 | | |

Zooming in on a Cell

IntegerTextBox, PercentTextBox, and DoubleTextBox Cell Types

The Grid, GridDataBoundGrid, and GridGrouping controls now support IntegerTextBox, PercentTextBox, and DoubleTextBox cell types, allowing users to display different types of data values in grid cells.

- **IntegerTextBox** is used to display integer data-type values in the grid cell.
- **PercentTextBox** is used to display percentage values in the grid cell.

- **DoubleTextBox** is used to display double data-type values in the grid cell.

| | A | B | C | D | E |
|----|----------------------------|--------|--------|---|---|
| 1 | | | | | |
| 2 | IntegerTextBoxCells | | | | |
| 3 | | | | | |
| 4 | | 1,234 | 54,321 | | |
| 5 | | 56,789 | 8,765 | | |
| 6 | | 1,357 | 34,210 | | |
| 7 | | | | | |
| 8 | | | | | |
| 9 | | | | | |
| 10 | | | | | |

IntegerTextBox Cells

| | A | B | C | D |
|---|-------------------------------|---------|---------|---|
| 1 | | | | |
| 2 | PercentageTextBoxCells | | | |
| 3 | | | | |
| 4 | | 54.00 % | 84.00 % | |
| 5 | | 65.00 % | 92.00 % | |
| 6 | | 76.00 % | 71.00 % | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |

PercentTextBox Cell Type

| | A | B | C | D |
|---|---------------------------|----------|---------------|---|
| 1 | | | | |
| 2 | DoubleTextBoxCells | | | |
| 3 | | | | |
| 4 | | 12323456 | 9753244 | |
| 5 | | 8376543 | 67344433 | |
| 6 | | 1345579 | 23,234,452.00 | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |

DoubleTextBox Cell Type

Essential BI PivotGrid

PivotGrid Control

The PivotGrid control allows users to summarize selected columns and rows of data in a database table so the table will be organized in a cross-tabulated form. With the PivotGrid control, users can add calculation values and the desired summary type to the database table. This control enables users to summarize large amounts of data quickly.

It also supports the following:

- Users can select grid cells similar to the cell selection in Microsoft Excel to copy data to the clipboard quickly.
- Sorting enables users to quickly organize data.
- Grouping support enables users to drag fields between different areas such as columns or rows.
- Filtering provides an easy and quick way of finding a subset of data in the database table.

| | | Canada | | | | | | | | Canada Total | Grand Total | |
|--------|--------------|------------------------|------------|------------|---------------|------------------|------------|------------|------------------------|---------------|-------------|-------------|
| | | Alberta | | | Alberta Total | British Columbia | | | British Columbia Total | Ontario Total | | |
| | | FY 2005 | FY 2006 | FY 2007 | | FY 2005 | FY 2006 | FY 2007 | | | | |
| Canada | Alberta | 1 | 920,700 | 297,000 | 148,500 | 1,366,200 | | | | | 1,366,200 | 1,366,200 |
| | | 10 | 8,640,000 | 3,240,000 | 1,620,000 | 13,500,000 | | | | | 13,500,000 | 13,500,000 |
| | | 11 | 14,391,300 | 2,937,000 | 881,100 | 18,209,400 | | | | | 18,209,400 | 18,209,400 |
| | | 2 | 2,410,800 | 882,000 | 352,800 | 3,645,600 | | | | | 3,645,600 | 3,645,600 |
| | | 3 | 3,666,600 | 1,658,700 | 611,100 | 5,936,400 | | | | | 5,936,400 | 5,936,400 |
| | | 4 | 6,451,200 | 1,036,800 | 460,800 | 7,948,800 | | | | | 7,948,800 | 7,948,800 |
| | | 5 | 7,267,500 | 2,280,000 | 855,000 | 10,402,500 | | | | | 10,402,500 | 10,402,500 |
| | | 6 | 9,136,800 | 1,522,800 | 1,015,200 | 11,674,800 | | | | | 11,674,800 | 11,674,800 |
| | | 7 | 5,663,700 | 1,953,000 | 390,600 | 8,007,300 | | | | | 8,007,300 | 8,007,300 |
| | | 8 | 12,364,800 | 3,312,000 | 1,545,600 | 17,222,400 | | | | | 17,222,400 | 17,222,400 |
| | | 9 | 11,547,900 | 1,228,500 | 1,719,900 | 14,496,300 | | | | | 14,496,300 | 14,496,300 |
| | | Alberta Total | 82,461,300 | 20,347,800 | 9,600,600 | 112,409,700 | | | | | 112,409,700 | 112,409,700 |
| | | British Columbia Total | | | | | 81,667,800 | 23,518,800 | 8,190,900 | 113,377,500 | 113,377,500 | 113,377,500 |
| | | Ontario Total | | | | | | | | 106,854,000 | 106,854,000 | 106,854,000 |
| | Canada Total | | 82,461,300 | 20,347,800 | 9,600,600 | 112,409,700 | 81,667,800 | 23,518,800 | 8,190,900 | 113,377,500 | 106,854,000 | 332,641,200 |
| | Grand Total | | 82,461,300 | 20,347,800 | 9,600,600 | 112,409,700 | 81,667,800 | 23,518,800 | 8,190,900 | 113,377,500 | 106,854,000 | 332,641,200 |

PivotGrid Control

| Quantit | Year | Country | State | Quantity | | | | | |
|-------------|---------|---------|-------|----------|------|----------|----|------|----------|
| Product | Year | Canada | | | | | | | |
| | | Alberta | | 9 | 8 | | | 6 | 5 |
| | | | | Quantity | Year | Quantity | | Year | Quantity |
| Car | FY 2005 | | | 6 | 6 | | | 8 | 10 |
| | FY 2006 | | | 1 | 1 | | | 2 | 1 |
| | FY 2007 | | | 1 | 1 | | | | 1 |
| Car Total | | | | 8 | 8 | 11 | 11 | 10 | 10 |
| Bike | FY 2005 | | | 41 | 41 | 48 | 48 | 21 | 21 |
| | FY 2006 | | | 4 | 4 | 12 | 12 | 8 | 8 |
| | FY 2007 | | | 6 | 6 | 7 | 7 | 2 | 2 |
| Bike Total | | | | 51 | 51 | 67 | 67 | 31 | 31 |
| Grand Total | | | | 59 | 59 | 78 | 78 | 41 | 41 |

(All)
 1
 10
 11
 2
 3
 4
 5
 6
 7
 8

Ok Cancel

| | | |
|----|----|----|
| 10 | 10 | 8 |
| 1 | 1 | 1 |
| 3 | 3 | 1 |
| 14 | 14 | 10 |
| 44 | 44 | 43 |
| 8 | 8 | 15 |
| 3 | 3 | 5 |

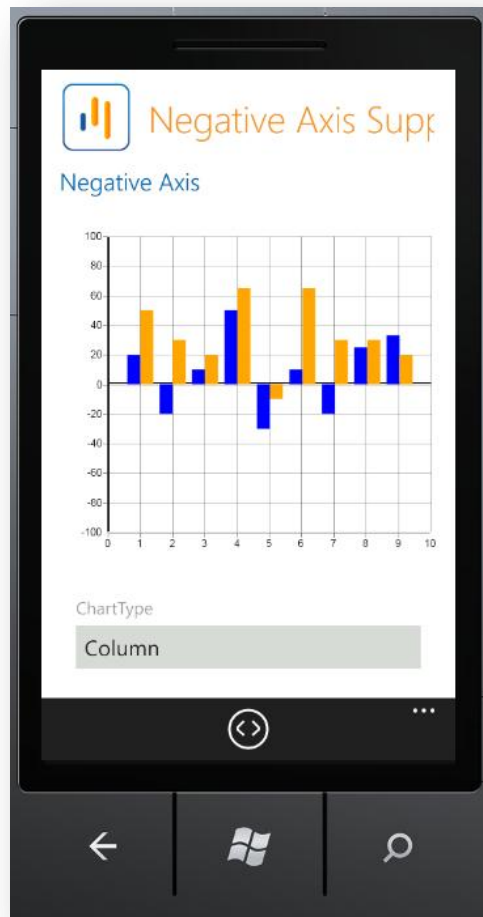
Cell Selection, Sorting, Grouping, and Filtering Support in the PivotGrid Control

Windows Phone

- Essential Chart

Negative Axis Support

Previously, data series with negative values could only be charted in the same direction as the positive values. Now, you can use the negative axis support to implement a negative axis in a chart to allow positive and negative values to be plotted together. With this support, you can visually distinguish the positive values from negative values.



Negative Axis Support

■ Essential Tools

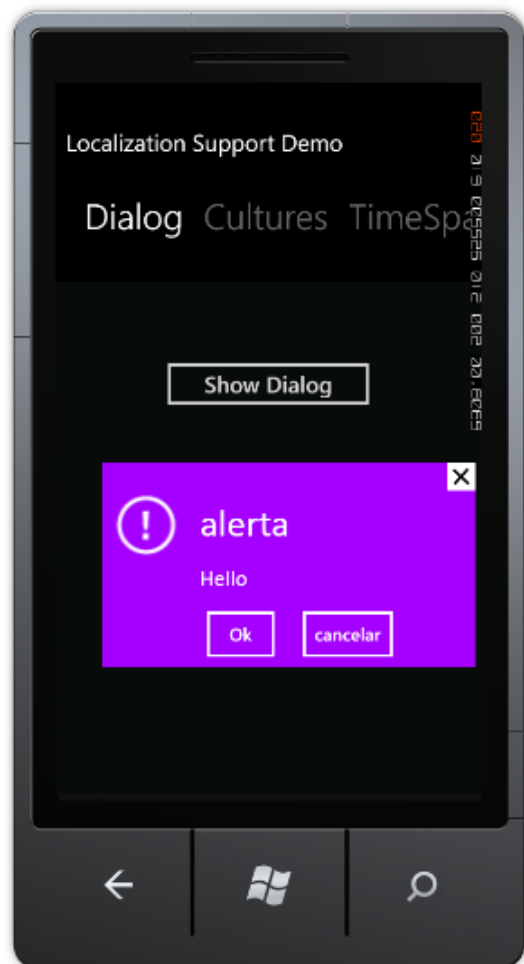
Localization Support

Essential Tools for Windows Phone now provides localization support for the DomainUpDown, ColorPicker, TimeSpanPicker, and Dialog controls. This support allows you to set the content such as date and time, according to the language or culture of a specific country or region. This support features the following cultures:

- en-US (English)
- es-ES (Spanish)
- it-IT (Italian)
- de-DE (German)
- fr-FR (French)



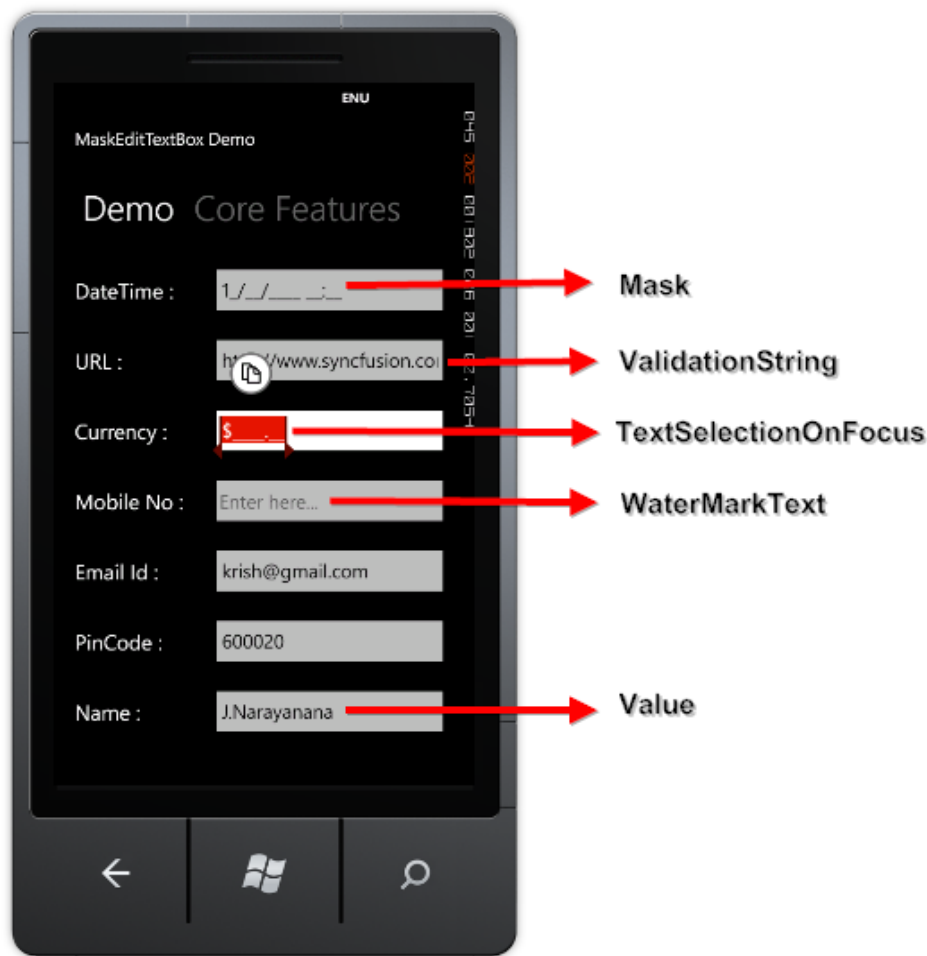
TimeSpanPicker Control Set to Spanish



Dialog Control Set to Spanish

MaskedTextBox Control

The MaskedTextBox control is an enhanced TextBox control that contains a text box with a mask. You can use the control for inputting data such as phone numbers or times that follow a specific format. This control prevents users from entering invalid data and provides an easy way of collecting user input.

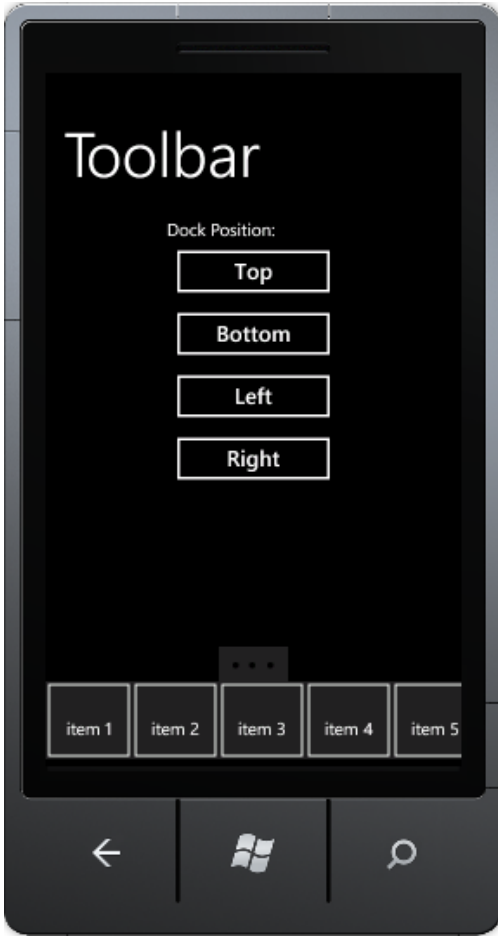


MaskedTextBox Control

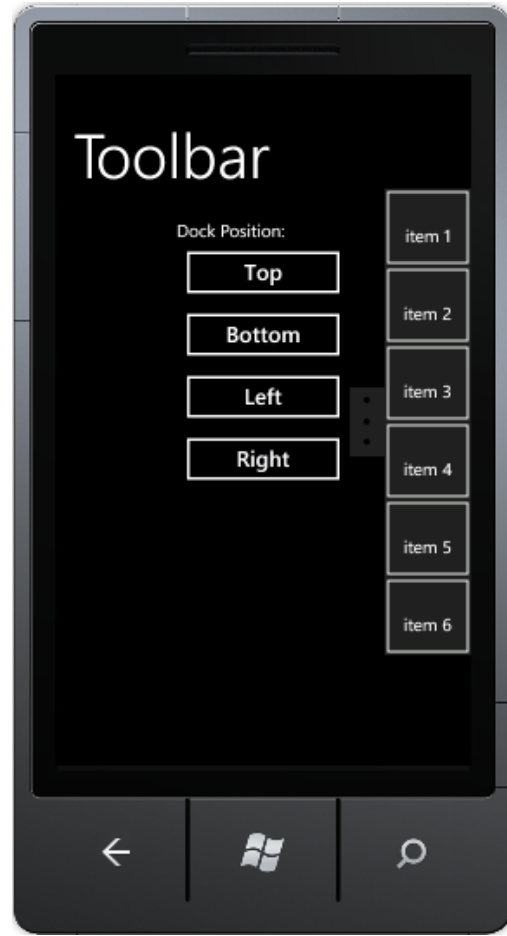
Toolbar Improvements

Essential Tools for Windows Phone now provides orientation options, docking support, and expand-collapse support for the Toolbar control.

- Docking support allows you to dock the Toolbar control at a required position such as left, right, top, and bottom, which helps you to make efficient use of the screen size.
- Orientation options allow you to adjust the Toolbar control automatically when the phone orientation changes.
- Expand-collapse support allows you to expand or collapse the toolbar items according to your needs.



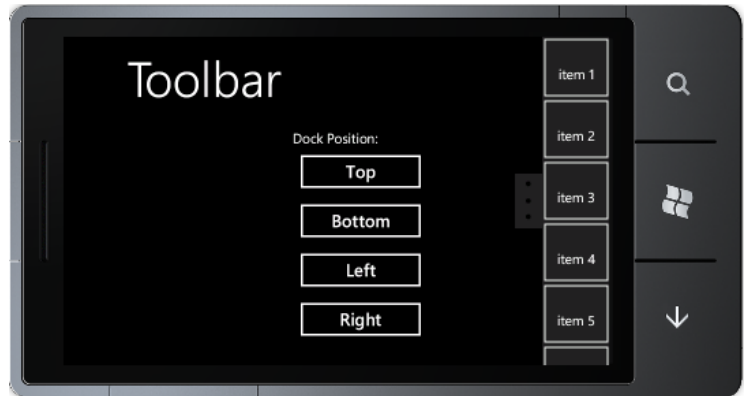
Toolbar Docked at Bottom



Toolbar Docked at Right



Toolbar in Collapse Mode



Toolbar with Orientation Support

RichTextEditor Control

The RichTextEditor control allows users to edit and format text with hyperlinks, images, multiple fonts, colors, and more. It also enables users to save the formatted text in various file formats such as HTML, XAML, and XML.



Rich Text Editor