What’s New
Essential Studio User Interface Edition
What’s New Essential User Interface Edition

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Essential Grid

Grid for ASP.NET MVC

In-line editing
Now you can edit data in-line through the toolbar buttons. With this feature, you can easily insert, edit, and delete records in grid. The editing takes place right inside the record row itself.

**Editable row in In-Line mode**

**Add New Record row in In-Line mode**
What’s New Essential User Interface Edition

Editable row in In-Line Form mode

Add New Record row in In-Line Form mode
Multicolumn grouping

Essential Grid provides support for grouping data. Records displayed in a grid can be grouped by one or more columns.

Support for complex objects

Essential Grid now supports binding complex data objects. With this feature, you can bind complex property values to a grid—performing sorting, paging, grouping, filtering, and editing actions with complex objects.
**Skins**

With support for 14 different types of skins, you can always give your grid a new look and feel.

**Grid filter optimization**

Grids can be filtered to present relevant data. Filters are provided with menu support, allowing you to utilize drop-down list filters and custom filters—a useful feature when handling large sets of data.
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View Customization
Essential Grid now supports view-side coding, which eases the work of creating a model in the controller. This feature allows setting properties and events of a control within the view page, reducing redundancy and complexity.

Grid for Silverlight

RIA services
Essential Grid now supports binding with DomainDataSource controls and RIA services.

Clipboard
Support for clipboard access has been added (for Silverlight 4 only).

Clipboard support
What’s New Essential User Interface Edition

**More cell types**
New cell types for advanced editing have been added. Support for MaskEdit, PercentEdit, DateTimeEdit, DoubleEdit, and IntegerEdit are included.

![Percent Edit Cell Demo](image)

Percent cell

![Double Edit Cell Demo](image)

Double cell

**Ported GridTreeControl**
GridTreeControl for WPF has now been ported to Silverlight.

![GridTreeControl](image)
Extensive support for unbound columns
Support has been added for sorting, filtering, grouping, creating summaries, and conditional formatting in unbound columns.

<table>
<thead>
<tr>
<th>Ship</th>
<th>City</th>
<th>UnboundCol1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buenos Aires</td>
<td>$316.56 for Buenos Aires</td>
<td></td>
</tr>
<tr>
<td>Tsawassen</td>
<td>$279.49 for Tsawassen</td>
<td></td>
</tr>
<tr>
<td>Bruxelles</td>
<td>$908.20 for Bruxelles</td>
<td></td>
</tr>
<tr>
<td>Montréal</td>
<td>$144.64 for Montréal</td>
<td></td>
</tr>
<tr>
<td>Graz</td>
<td>$509.80 for Graz</td>
<td></td>
</tr>
<tr>
<td>Graz</td>
<td>$431.31 for Graz</td>
<td></td>
</tr>
</tbody>
</table>

Unbound columns

C# 4.0 dynamic keyword and DLR support
Support has been added for IDynamicMetaObjectProvider and the DLR language. You can now bind a grid to dynamic run-time object collections.

```csharp
public class DynamicOrders : ObservableCollection<dynamic>
{
    public DynamicOrders()
    {
        var orders = NorthwindOrders.Model;
        foreach (var o in orders)
        {
            dynamic d = new ExpandoObject();
            d.OrderID = o.OrderID;
            d.CustomerID = o.CustomerID;
            d.EmployeeID = o.EmployeeID;
            d.ShipCity = o.ShipCity;
            d.Freight = o.Freight;
            d.ShipCountry = o.ShipCountry;
            this.Add(d);
        }
    }
}
```
What's New Essential User Interface Edition

**Visual Studio 2010 Support**
Support for advanced designer forms in Visual Studio 2010 helps you quickly configure the GridDataControl.

![Advanced designer](image)

**Serialization and state persistence**
States can now be persisted for the GridControl family.

![GridControl example](image)
**CSV Export**
An API has been added for exporting to CSV format.

<table>
<thead>
<tr>
<th>CustomerID</th>
<th>EmployeeID</th>
<th>ShipCity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PICCO</td>
<td>1</td>
<td>Resende</td>
</tr>
<tr>
<td>WARTH</td>
<td>6</td>
<td>Tsawassen</td>
</tr>
<tr>
<td>ALFKI</td>
<td>8</td>
<td>Bruxelles</td>
</tr>
<tr>
<td>LINOD</td>
<td>4</td>
<td>Bruxelles</td>
</tr>
<tr>
<td>BLONP</td>
<td>8</td>
<td>Graz</td>
</tr>
<tr>
<td>BLONP</td>
<td>6</td>
<td>Bruxelles</td>
</tr>
<tr>
<td>FRANS</td>
<td>4</td>
<td>Bruxelles</td>
</tr>
</tbody>
</table>

*Grid before exporting*

![Grid before exporting]

*Exported file*

![Exported file]
**Column-based sizing in GridDataControl**

Support has been added for auto-sizing based on columns in GridDataControl.

<table>
<thead>
<tr>
<th>Order ID</th>
<th>Emplo...</th>
<th>Order Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>10000</td>
<td>FR...</td>
<td>Friday, May 10, 1991</td>
</tr>
<tr>
<td>10001</td>
<td>M...</td>
<td>Monday, May 13, 1991</td>
</tr>
<tr>
<td>10002</td>
<td>F...</td>
<td>Tuesday, May 14, 1991</td>
</tr>
<tr>
<td>10003</td>
<td>SI...</td>
<td>Wednesday, May 15, 1991</td>
</tr>
<tr>
<td>10004</td>
<td>V...</td>
<td>Thursday, May 16, 1991</td>
</tr>
<tr>
<td>10005</td>
<td>W...</td>
<td>Monday, May 20, 1991</td>
</tr>
<tr>
<td>10006</td>
<td>FR...</td>
<td>Tuesday, May 21, 1991</td>
</tr>
<tr>
<td>10007</td>
<td>M...</td>
<td>Wednesday, May 22, 1991</td>
</tr>
<tr>
<td>10008</td>
<td>F...</td>
<td>Thursday, May 23, 1991</td>
</tr>
<tr>
<td>10009</td>
<td>SE...</td>
<td>Friday, May 24, 1991</td>
</tr>
</tbody>
</table>

**ToolTip service for a grid**

ToolTips are now provided as an attached service in GridControl.
What's New Essential User Interface Edition

Cell comments in a grid
A cell-comments service now allows comments to be inserted for cells in GridControl.

Grid for Windows Forms

Loading and saving compare-operator states in GridDynamicFilter
Now the existing state of compare operators in GridDynamicFilter can be saved and loaded back to the GridDynamicFilter in respective columns.
**Extended Excel-like fill series**

The Excel-like fill series feature has been extended to support dates with the following format: mm/dd/yyyy. In the extended menu, Copy Series and Fill Series have been added and will display while dragging a cell. Copy Series will copy values to other cells, and Fill Series will fill other cells in a corresponding sequence.
**IList Grouping Performance**

Grouping columns from a GridGroupingControl bound to an IList data source has been greatly improved. Large amounts of data from IList will refresh a page quickly when grouping a column.
Filter Optimization

Grid filtering has been optimized, increasing performance with large amounts of data. The optimization reduces the time it takes to refresh a table.
Excel-like filtering
Filtering can now be applied to a grid just like the filter bar in Microsoft Excel 2010, which displays values in a drop-down tree with a check box for each. The check box is used to specify which values have to be filtered, supporting multiple selections. Dynamic filtering can also be achieved in the same filter by using the Text Filter field in the container.
**Tile image in grid cell**

The tile image feature allows you to add a new image layout to a grid.

**Deleting a collection of records in GridGroupingControl**

GridGroupingControl now supports deleting a collection of records instead of deleting records one-by-one. Two options have been implemented: one to delete all the records, and another to delete selected records only.
Selecting a collection of records in the GridGroupingControl

GridGroupingControl now supports selecting all records or only specified records in a grid table.

Selecting specified records

Selecting all records
Applying a filter only when focus is lost in GridDynamicFilter
A new property can toggle filtering for key strokes in GridDynamicFilter. By default, it allows filtering for each key stroke; if set to true, filtering will not occur for each key stroke—filtering will happen only when focus is lost on the filter cell.

Filtering when focus is lost

Grid for WPF

Extensive support for unbound columns
Support has been added for sorting, filtering, grouping, creating summaries, and conditional formatting in unbound columns.
C# 4.0 dynamic keyword and DLR support
Support has been added for IDynamicMetaObjectProvider and the DLR language. You can now bind a grid to dynamic run-time object collections.

Using 'dynamic' keyword for datasource creation

Resultant grid with dynamic data
Visual Studio 2010 Support
Support for advanced designer forms in Visual Studio 2010 helps you quickly configure the GridDataControl.

Activating the designer

Serialization and state persistence
States can now be persisted for the GridControl family.
CSV Export
An API has been added for exporting to CSV format.
What’s New Essential User Interface Edition

**Exported GridDataControl**

**Column-based sizing in GridDataControl**
Support has been added for auto-sizing based on columns in GridDataControl.
Visual Studio 2010 Coded UI Testing
Support for Visual Studio 2010 coded UI Testing has been added.
Essential Tools

Tools for ASP.NET

*Toolbar support for sprite images*
Now the toolbar supports sprite images when in image appearance mode. The CSS sprites can majorly reduce the number of HTTP requests for images referenced by the page, thereby reducing rendering time and image resources.

*RichTextEditor’s toolbar with sprite images*

*Client-side methods for selection*
Now the tab strip can be selected, on the client-side, based on criteria such as text, ID, index, and the tab strip client object.
Tools for ASP.NET MVC

**Context Menu**
Menus now include a context menu. The context menu can be bound to any target control, preventing the default browser’s context in the target control. The menu item can be customized with functionalities for onclick, mouseover, and mouseout events.

Enhanced rich text editor
The rich text editor now provides an option for inserting images within the editor from a path defined by the user. This option allows you to surf image files over a defined path. The File Select dialog has a built-in preview option—plus the enhanced rich text editor can insert smileys and hyperlinks.
What’s New Essential User Interface Edition

**Toolbar**
Toolbars can be used to display a list of items within a pane, and they allow custom functionalities for every item’s onclick, mouseover, and mouseout events. It also supports options to disable, enable, select, and deselect toolbar items.

![Toolbar Image](image)

**Waiting pop-up indicator**
Essential Tools WaitingPopup supports displaying a pop-up indicator over a target area so as to prevent the user’s interaction with the target area when loading. The pop-up icon has wide applications on Ajax posts. It can also be used to disable a target control.

![Waiting pop-up indicator Image](image)
What’s New Essential User Interface Edition

**Skins**

Essential Tools now supports fourteen built-in skins to enhance a control’s look and feel.

- **Menu skins**

- **Rich-text editor skins**
What’s New Essential User Interface Edition

Accordion skins

Date picker skins
What’s New Essential User Interface Edition

Dialog skins

Editor skins
What's New Essential User Interface Edition

AutoComplete text box skins

Generic skins

Slider skins
View Customization
Essential Tools now supports view-side coding, which eases the work of creating a model in the controller. This feature allows setting the properties and events of a control within the view page, reducing redundancy and complexity.
What’s New Essential User Interface Edition

Tools for Windows Forms

*Changing highlight color of header in MultiColumnTreeView*
The column header highlight color can be changed as desired.

![HighlightBorderColoredMultiColumnTreeView](image)

*Column Header Highlight Border Color*

*SuperToolTip rendering HTML*
SuperToolTips now support HTML and CSS.

![SuperToolTip displaying HTML](image)

*SuperToolTip displaying HTML*
SuperToolTips for .NET controls embedded in MFC containers
SuperToolTip can be displayed in user controls embedded in an MFC dialog.

SuperToolTip Displayed in MFC Dialog:

Changing bar-item icons using run-time customization
Images can be added to the bar items during run-time customization.

Changing bar-item icons
Balloon-style SuperToolTip
SuperToolTips can be given a balloon-like appearance.

VS 2010 style for TabControlAdv
TabControlAdv’s TabStyle can be changed to a Visual Studio 2010 style. Scroll buttons can also have a look and feel like VS 2010.
What's New Essential User Interface Edition

Tools for WPF

**Group bar items source**
The group bar now supports Items Source binding. A collection of business objects can be bound to the Items Source property. Header templates and content templates can be applied to render the business object.

**Dynamic Resizing of Ribbon Controls**
The ribbon control now provides an Office 2007 UI appearance when resizing the Ribbon Window. It will automatically change its size based on what is available. This feature can be enabled or disabled.
**ScreenTip HelpText**

HelpText in a ScreenTip allows you to insert text similar to a Microsoft Word ScreenTip. The help text is separated with a line separator from the rest of the ScreenTip.

![ScreenTip with HelpText](image)

**Disabling dragging of TDI items in Docking Manager and Document Container**

By default, TDI items in Docking Manager and Document Container can be dragged. Now the `IsTDIDragDropEnabled` property is available to disable the dragging and dropping of TDI items.

**Full screen in document container**

The `TDIFullScreenMode` is the property used to define the full-screen mode for TDI items. When the value is set for this property, a parent window will be displayed as a full screen and the tab item’s header will be visible only when passing over the top of the window.

**Toolbar in Document Container**

You can place a toolbar along with headers in the header panel of TDI items in Document Container.

![Toolbar Support for Document Container](image)

**SizeToContent for MDI Window in Document Container**

`SizeToContentInMDI` is used to resize an MDI Window to its child size. This is an attached property and can be applied to individual children inside Document Container.
**Ribbon data binding**

The ribbon control will now behave exactly as a Tab control. A collection of business objects can be bound to the *Items Source* property. A content template can also be applied to the ribbon tabs.

![Ribbon control with items source bound](image)

**Tab Preview in Docking Manager**

The TabPreview feature is included in Docking Manager and Document Container. When creating tab groups by dragging and dropping, a preview of the group will be displayed.

![Creating vertical tab group](image)
API to Create Tab Groups
To create tab groups programmatically in Document Container, two methods are now available.

Group bar dragging
The content of a group bar can be dragged and dropped outside the control and between two group bars.
Tools for Silverlight

**Skin Manager**
Now the Skin Manager provides a convenient way to apply a consistent appearance to all the controls in your application—both Syncfusion and Silverlight Framework controls. You can change the visual appearance of the controls depending upon the specified built-in skin.

Now the Skin Manager provides three important features: built-in skins, custom color skins, and custom brush skins. The following built-in skins are supported by the Skin Manager framework:

- Default
- Office 2007 Black
- Office 2007 Silver
- Office 2007 Blue
- Office 2003
- Blend

![Microsoft controls with Blend skin](image1)

![Controls with Office 2007 Silver skin](image2)
**Docking Manager with Blend skin**

*Color picker expanded mode*

This feature allows the user to pick colors from the color picker palette in Expanded mode. The feature can be enabled or disabled.

![Color Picker in Expanded Mode](image)
Essential Chart

Chart for WPF

**Interactive cursor**
Essential Chart allows the user to position the cursor at a specific data point in a series—the x- and y-axis values will be indicated by pop-up windows. As the cursor moves, the corresponding values will change.

![Interactive cursor](Image)

**IDictionary IList support**
Essential Chart now supports binding a dictionary list to the x- and y-paths of a chart series.

**More 3-D charts**
Essential Chart now support more 3-D charts—such as 3-D pyramid charts.

![3-D pyramid chart](Image)
**Empty points for FastLine charts**
Essential Chart now ships with the addition of empty points for FastLine charts.

![Empty point in FastLine chart](image)

**Showing minor gridlines with logarithmic axis**
Grid lines and smaller ticks can now be customized when the axis is set as logarithmic.

![Minor gridlines for logarithmic axis](image)
What's New Essential User Interface Edition

**Zooming and Panning**
Essential Chart now comes with support for panning a zoomed area, allowing users to pan from one point to another.

![Panning a zoomed area](image)

**Binding array objects**
Essential Chart now allows binding array objects to x- and y-paths.

**Splitter for SyncChartArea**
Essential Chart comes with a synchronous chart area.

![Splitter in SyncChartArea](image)
Additional zooming functionality for SyncChartAreas

Essential Chart allows users to enable panning and zooming in a synchronous chart area.

Lazy loading support for FastChart types

Essential Chart has increased its performance by decreasing loading time.

Customization support for FastChart types

FastChart types can be customized, including FastStackingColumn, FastHiLoOpenClose, FastScatter, and FastColumn.

Chart for ASP.NET MVC

Scrolling and panning

After zooming, to see the visible area, you can use scrolling and panning. You can scroll both vertically and horizontally by using the mouse wheel.

For panning, you can click and drag the chart area to reveal hidden areas.
Interactive cursor
Essential Chart allows the user to position the cursor at a specific data point in a series—the x- and y-axis values will be indicated by pop-up windows. As the cursor moves, the corresponding values will change.

![Sales Volume Comparison](chart1.png)

RealTime chart
Essential Chart is optimized to deal with real-time data. It can work with large amounts of real-time data and render a smooth and dynamic chart.

![Product Comparison Chart](chart2.png)
What’s New Essential User Interface Edition

**Skins Support**
Essential Chart supports 14 different types of skins, giving a new look and feel to a chart.

View Customization
Essential Chart now supports view-side customization. This feature allows setting properties and events of a control within the view page, reducing redundancy and complexity, making it easy to create a chart model in the controller.

Chart for Silverlight

*Alternating background*
Chart Silverlight now comes with the addition of an alternating background for the chart area.
**Logarithmic axis support**
The labels of a logarithmic axis can be customized.

![Logarithmic axis](image)

**Empty point support for basic chart types**
Essential Chart adds support to enable or disable empty point visibility. This support is implemented for basic chart types that include column, bar, line, scatter, bubble, and stacking column charts.

![Empty points](image)
**Small Tick lines between grid lines**

Essential Chart allows adding small ticks and gridlines between the major grid lines.

**Legend Customizations support**

Essential Chart now allows customizing a legend at run time.
Striplines
Essential Chart now comes with an additional strip-line feature that can be added to a plot and segmented.

Segmented strip line

ToolTip for chart segment
To identify the points of all segments, Essential Chart now comes with ToolTip support for chart segments.
Essential Diagram

Diagram for ASP.NET

**Serialization**
Diagram files can now be loaded and saved seamlessly in SOAP formats. The new “SaveSoap” and “LoadSoap” methods let the user save and open a diagram created in DiagramWebControl.

![Diagram serialized in SOAP Format](image-url)
Diagram for Silverlight

**Dynamic line connectors**
Essential Diagram for Silverlight now provides support for dynamically creating connections at run time by setting the **EnabledConnection** property of **DiagramView** to **True** and then clicking and dragging the mouse pointer over the node and dropping it on another node on the page. The start node acts as the head node and the hit node acts as the tail node for the new line.

*Connector drag-start*

*Hit node*

*Connection ended*
Symbol palette support
The symbol palette is a large collection of predefined nodes. It allows dragging and dropping nodes and line connectors, making them easier to manage. Custom symbols can also be added to the symbol palette.
Diagram for WPF

*Line Bridging*

Line Bridging creates a bridge for lines to cross over other lines at points of intersection. When two line connectors meet each other, the line with higher z-order will draw an arc over the line with lower z-order. Only straight and orthogonal connector types support line bridging.
Essential Gauge

Essential Gauge for ASP.NET MVC

**Linear Gauge**
Linear gauge provides various features such as indicating the state of the gauge, orientation adjustment, and a collection of built-in styles for frames, scales, pointers, and label ticks.

![Linear Gauge: Volume Control](image1)

**Digital Gauge**
Digital gauges are used to display alpha-numeric values in a virtual digital display. They provide many powerful functionalities such as 7-segment display, 14-segment display, segment spacing, and customization.

![Digital clock with Office 2007Blue skin](image2)
**Half-Circular Gauge**
Half-circular gauges can now be created in ASP.NET MVC. Scale direction can set, animation can be used, and fourteen types of skins can customize the half-circular gauge. Also, gradient effects can be employed.

![Half-circular gauge](image1.png)

**Interaction and Animation**
Both circular gauges and linear gauges support user interaction and animation to dynamically change pointer values.

![Gauge interaction](image2.png)
What’s New Essential User Interface Edition

**Skins**
Essential Gauge comes with 14 built-in themes that include Office 2007 Blue, Office 2007 Silver, Office 2007 Black, Vista, VS 2010, and Blend. Several other skins are provided to enhance the appearance of an application.

![Midnight skin for circular gauge](image)

**Vista skin for linear gauge**

**Monochrome skin for digital gauge**

**Gauge for Silverlight**

**Rolling gauge**
The rolling gauge control is used to display values as segments. Data given in the control can be displayed with rolling effects.

![Rolling gauge](image)
What’s New Essential User Interface Edition

Gauge for WPF

**ToolTip Support for Ticks**

Essential gauge now supports binding ToolTips for circular tick marks.

*ToolTips for circular tick marks*
Essential Schedule

Schedule for ASP.NET

**View strip for horizontal mode**
The view strip is used to display the days, weeks, and workweeks in a schedule control. This feature allows users to view a schedule horizontally.

**LINQ data binding**
The schedule control now supports binding to a LINQ data source. Its flexible model allows binding to any external data source for better control over its configuration.
**Adding recurrence appointments in a database.**

The schedule control now supports adding recurrence appointments to a database. This feature allows users to configure repeating appointments.

Outlook style month view

The look and feel of the month view and view strip of the schedule control has been enhanced and is very similar to Outlook 2007.
Schedule for ASP.NET MVC

Essential Schedule supports a month view where a single month is displayed day-by-day.

### Month view

**Multiple resources**

The schedule control can manage multiple resources with multiple appointments. You can assign or reassign, create, edit, and delete appointments to multiple resources.


**Appointment priority**

The schedule control supports setting the priority level for an appointment to indicate its importance.

**Appointment recurrence**

The schedule control provides an option to set recurring appointments.
Appointment reminders

The schedule control provides an option to set reminders for appointments.

Schedule skins

Essential Schedule supports various built-in skins. The Skin property allows you to set predefined skins for the control in order to enhance its appearance.
What's New Essential User Interface Edition

**View Customization**
Essential Schedule now supports view-side customization. This feature allows setting properties and events of a control within the view page, reducing redundancy and complexity, and making it easier to create a model in the controller.

**Schedule for Silverlight and WPF**

**New Themes**
Themes for the schedule control provide different skins to make the look and feel attractive.

![Blend Theme](image)

**Drag and drop or resize appointments**
The schedule control lets you drag and drop or resize appointments. The appointments time will be modified depending on where it is dragged. Now, this feature can be used for both vertical and horizontal view mode.

![Dragging an appointment](image)
Recurrence appointments enable you to add an appointment on multiple dates or time slots. They can be daily, weekly, monthly, or yearly. They are customizable, so they can be modified or deleted.

**Weekly recurrence appointments**
What's New Essential User Interface Edition

**Horizontal view**
The schedule view provides an option for viewing time slots horizontally.

*Horizontal schedule view*

**Holidays and blackout days**
Holidays and blackout days can be added as all-day appointments, blocking out an entire day.

*Holidays and blackout days*

**Reminder alerts**
The schedule control supports reminder alerts. Appointments that are added will generate reminder alerts when the time of an appointment arrives. The alerts can be snoozed for a particular time, or even dismissed to stop further reminding.

*Reminder alert*
**Import-Export iCal formats**

The schedule control supports importing and exporting iCal formats. Scheduled appointments can be exported through iCal files, and then they can be imported in a Google calendar, Microsoft Outlook, or any other schedulers that support the ICS file format. Similarly, exported iCal files can be imported into the schedule control.
What’s New Essential User Interface Edition

Essential Edit

Edit for Windows Forms

*Enhanced Find dialog*

Essential Edit now supports displaying a message box when a Find operation reaches the starting point of a search. If the option is set to Current Selection, once the Find operation reaches the starting point, it will display a message box letting you know it has completely searched the section.

*Message box shown after reaching the starting point*
Customizable Find Dialog

Essential Edit now allows users to create a new find dialog by inheriting from the default Find dialog. The dialog can be customized by changing properties and triggers for buttons such as Find, Mark All, and Close. The dialog can also be easily localized.
What’s New Essential User Interface Edition

**Text-alone RTL support**
Essential Edit now supports right-to-left (RTL) language alignment for text alone. This feature supports reading and writing RTL languages such as Arabic, Urdu, and Hebrew. The behavior of RTL support in Essential Edit is same as RTL support in Notepad.

![Text-alone RTL support](image)

**Edit for WPF**

**Enhanced expand-and-collapse support**
The expand-and-collapse feature in Essential Edit ships with a variety of enhancements, like support for Visual Basic, a look and feel similar to Visual Studio, ToolTips, and selecting with collapsed items. Expand-collapse support can now be implemented with custom development languages.

![Expand-collapse feature in Visual Basic](image)
public class Sport : INotifyPropertyChanged
{
    // Local variables
    #region Properties
    public int SportID;
    #endregion
    // INotifyPropertyChanged Members
}

<!-- Merging Shared Skin Manager -->
<Window.Resources>
    <Grid>
        <Grid.RowDefinitions>
            <Menu bound to built-in Role...>
            <TabControl...>
                <Grid>
                </Grid>
            </TabControl>
        </Grid.RowDefinitions>
    </Grid>
</Window.Resources>
What's New Essential User Interface Edition

```csharp
public class Sport : INotifyPropertyChanged
{
    #region Local variables
    int _sportID;
    string _sportName;
    double _interest;
    #endregion

    #region Properties
    public int SportID { get; set; }
    #endregion

    #region INotifyPropertyChanged Members
    protected event PropertyChangedEventHandler PropertyChanged;
    private void OnPropertyChanged(string propertyName)
    {
        if (this.PropertyChanged != null)
        {
            this.PropertyChanged(this, new PropertyChangedEventArgs(propertyName));
        }
    }
    #endregion
}
```
IntelliSense Support
Essential Edit now has IntelliSense support. With this functionality, users can select text to be appended from a list of items. It works in two modes: Auto and Custom.

In Auto mode, it automatically displays a list of possible keywords from language configurations, types, members, events and fields from specified pre-built assemblies files for C-sharp and Visual Basic.

In custom mode, it enables developers to specify a collection of single or multilevel items to be displayed in the IntelliSense list. It also provides a variety of customization options to style the IntelliSense pop-up window and items.
Displaying types from assemblies

Displaying a custom collection
**Additional routed commands**

Built-in RoutedUICommands have been implemented for increasing or decreasing indentations and commenting or un-commenting text. The indentation and comment operations support both single and multiple lines.

```csharp
using System.Text;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System.Windows.Shapes;
namespace SampleNamespace
{
    /// <summary>
    /// Sample description
    /// </summary>
    public class SampleClass
    {
        #region Sample field
        int _sampleField;
        string _sampleString;
        #endregion
        public SampleClass()
        {
            // Constructor logic
        }
    }
}
```

**Increase Indent command**

Text after indentation
What's New Essential User Interface Edition

Comment Lines command

Text after commenting