**Gridview Control**

If datatable/collection is assigned as datasource for gridview control (with Auto-generate fields), then

* same number of columns are created/auto-generated in gridview as there are on the datatable
* datatable column names are assigned to gridview column names

If we do not want columns to be auto-generated use BoundField

For each columns of data to be displayed, select BoundField and provide Header Text and DataField (must match the datatable/collection column name)

For BoundFields DataFormatString property can be used to format the data displayed in that column.

RowDataBound event is raised when a record in the data source is bound to row in gridview control.

(can be used to format data at row/column level dynamically)

Gridview cells are by default Label controls when displaying data and become Text controls when in edit mode. These defaults can be overridden using Template fields.

Any column in gridview can be converted to Template field. Once column becomes template field,

ItemTemplate can have the control (label/Textbox etc) for display mode and EditItemTemplate can have control for edit mode. ItemTemplate uses Eval method to bind the data column (Database) to the control. EditItemTemplate uses Bind method. This does 2-way binding (bind data column to control to display data, pass data from control to Update/Insert query for updates)

Databinding Tags : <%#....%> . Other Than Eval and Bind methods, we can have code within this tags which returns a value.

Data-binding expressions are resolved when the **DataBind**method of a control or of the [Page](https://msdn.microsoft.com/en-us/library/system.web.ui.page.aspx) class is called. For controls such as the [GridView](https://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.gridview.aspx), [DetailsView](https://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.detailsview.aspx), and [FormView](https://msdn.microsoft.com/en-us/library/system.web.ui.webcontrols.formview.aspx) controls, data-binding expressions are resolved automatically during the control's **PreRender**event and you are not required to call the **DataBind** method explicitly.

Part 25 – KudVenkat GridView