

# UI (User Interface) Settings Tab

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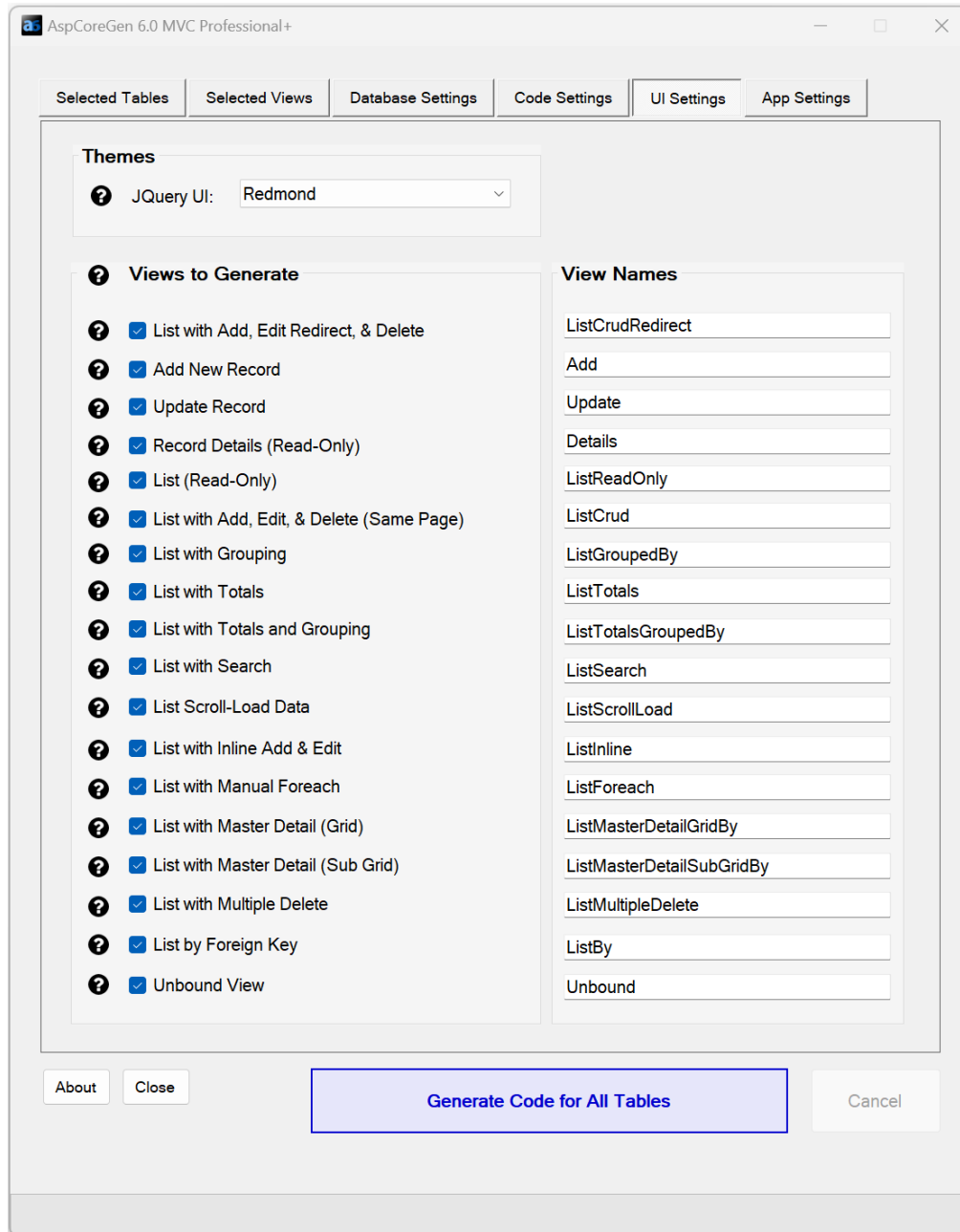
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# UI (User Interface) Settings Tab

The UI Settings Tab is where we set generated User Interface-specific information such as the ASP.NET MVC views file naming and views to generate.



## 1 THEMES

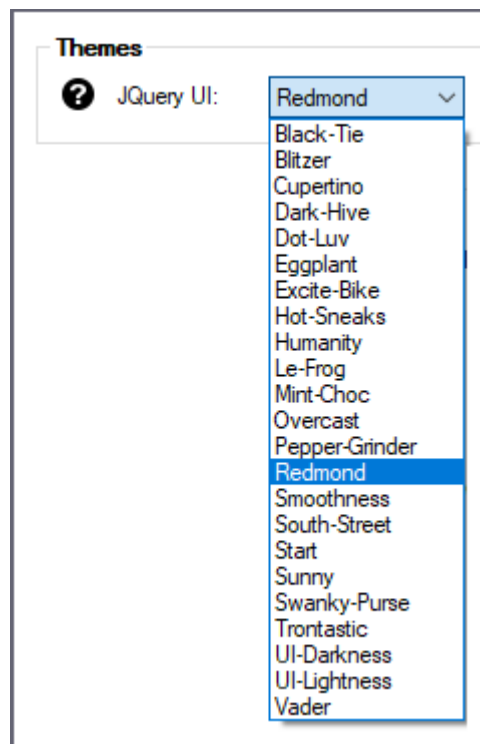
Themes are used for theming ASP.NET user interface and HTML controls such as an input, select, label, dialog, datepicker (input) tags to name a few.

## 1.1 JQUERY UI

*jQuery UI* is a 3<sup>rd</sup> party plugin. *jQuery UI* is describe as “...a curated set of user interface interactions, effects, widgets, and themes built on top of the jQuery JavaScript Library”. For more information on *jQuery UI*, please visit their web site at: <https://jqueryui.com/>.



We use 23 *jQuery UI* themes. The *Redmond* theme is used the default, however, you can choose which theme you would like to use in the drop down list shown below.



jQuery UI Themes

Here is a preview of some of the *jQuery UI* themes we use in the generated code. For more information on how each one of the JQuery UI theme looks like, please go to <https://junnark.com/Products/AspCoreGen3MVC/GeneratedPresentationLayer> to see all 23 *jQuery UI* themes.

List of Products	
Product ID ↕	Product Name
1	Chai
2	Chang
3	Aniseed Syrup
4	Chef Anton's Cajun Se
5	Chef Anton's Gumbo N
6	Grandma's Boysenb
7	Uncle Bob's Organic D

BLACK-TIE

List of Products	
Product ID ↕	Product Name
1	Chai
2	Chang
3	Aniseed Syrup
4	Chef Anton's Cajun Se
5	Chef Anton's Gumbo N
6	Grandma's Boysenben
7	Uncle Bob's Organic D

BLITZER

List of Products	
Product ID ↕	Product Name
1	Chai
2	Chang
3	Aniseed Syrup
4	Chef Anton's Cajun S
5	Chef Anton's Gumbo
6	Grandma's Boysenbe
7	Uncle Bob's Organic

CUPERTINO

List of Products	
Product ID ↕	Product Name
1	Chai
2	Chang
3	Aniseed Syrup
4	Chef Anton's Cajun
5	Chef Anton's Gumbo
6	Grandma's Boysenb
7	Uncle Bob's Organic

DARK HIVE

List of Products	
Product ID ↕	Product Name
1	Chai
2	Chang
3	Aniseed Syrup
4	Chef Anton's Cajun Se
5	Chef Anton's Gumbo N
6	Grandma's Boysenben
7	Uncle Bob's Organic D

DOT LUV

List of Products	
Product ID ↕	Product Name
1	Chai
2	Chang
3	Aniseed Syrup
4	Chef Anton's Cajun S
5	Chef Anton's Gumbo
6	Grandma's Boysenbe
7	Uncle Bob's Organic

EGGPLANT

## 2 VIEWS TO GENERATE

A list of ASP.NET MVC *Views* that can be generated by AspCoreGen 6.0 MVC. Each MVC view can be selected (checked) to signal code generation for the respective view. All views are checked by default.

**Note:** The *View Names* to the right of each MVC view is directly related to the later. E.g. *the List with Add, Edit, Redirect & Delete* view will be generated with an MVC view name: *ListCrudRedirect.cshtml*.

?

**Views to Generate**

?

☒ List with Add, Edit Redirect, & Delete

?

☒ Add New Record

?

☒ Update Record

?

☒ Record Details (Read-Only)

?

☒ List (Read-Only)

?

☒ List with Add, Edit, & Delete (Same Page)

?

☒ List with Grouping

?

☒ List with Totals

?

☒ List with Totals and Grouping

?

☒ List with Search

?

☒ List Scroll-Load Data

?

☒ List with Inline Add & Edit

?

☒ List with Manual Foreach

?

☒ List with Master Detail (Grid)

?

☒ List with Master Detail (Sub Grid)

?

☒ List with Multiple Delete

?

☒ List by Foreign Key

?

☒ Unbound View

## 2.1 LIST WITH ADD, EDIT REDIRECT & DELETE

A view with a list of items shown in a grid with CRUD functionality. Adding or updating an item redirects to another page (*Add New Record* and *Update Record* shown below respectively).

List of Products

Add New Item redirects to another page

Sort Ascending or Descending

Delete an Item w/ Confirmation

Edit Existing Item redirects to another page

Product ID	Product Name	Supplier ID	Category ID	Quantity Per Unit	Unit Price	Units In Stock	Units On Order	Reorder Level	Discontinued	
1	Chai	1	1	10 boxes x 20 bags	\$18.00	39	0	10	<input type="checkbox"/>	
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	<input type="checkbox"/>	
3	Aniseed Syrup	1	2	12 - 550 ml bottles	\$10.00	13	70	25	<input type="checkbox"/>	
4	Chef Anton's Cajun S	2	2	48 - 6 oz jars	\$22.00	53	0	0	<input type="checkbox"/>	
5	Chef Anton's Gumbo	2	2	36 boxes	\$21.35	0	0	0	<input checked="" type="checkbox"/>	
6	Grandma's Boysenbe	3	2	12 - 8 oz jars	\$25.00	120	0	25	<input type="checkbox"/>	
7	Uncle Bob's Organic	3	7	12 - 1 lb pkgs.	\$30.00	15	0	10	<input type="checkbox"/>	
8	Northwoods Cranber	3	2	12 - 12 oz jars	\$40.00	6	0	0	<input type="checkbox"/>	
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	<input checked="" type="checkbox"/>	
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	<input type="checkbox"/>	

Page Controls: First, Previous, Jump to a Specific Page, Next, Last, and Number of Items per Page

Total Number of Records

- Contains a JQgrid control that has CRUD (Create, Retrieve, Update, Delete) functionality.
- Adding a new record redirects to another page
- Updating an existing record redirects to another page
- Delete functionality uses a JQuery UI Pop-up for delete confirmation
- JQgrid control shows Sort Direction Image in the header
- JQgrid uses Paging in the footer
- List retrieves data on demand using Skip/Take logic
- Uses JSON to retrieve small amounts of data for every page or sort operation
- One ASP.NET Core 6.0 View is generated per table

## 2.2 ADD NEW RECORD

A view with validated input controls used for adding a new record.

**Note:** The *Add New Record* view shares the same user interface as the *Update Record* view, sharing the same *Partial View*. One of the primary difference between the two is the title/label, one says “Add Record”, the other “Update Record”.

Add Record

Foreign Key Field (Field with Data)

Product Name: \*

Supplier ID: Select One

Category ID: Select One

Quantity Per Unit: a

Unit Price: b

Units In Stock: 999999999

Client-side Validation

Unit Price must be a valid decimal!

Units In Stock must be between -32768 and 32767

Units On Order must be a number!

Reorder Level must be a number!

Foreign Key Field (Field with Data)

Add Record

Customer ID: Select One

Employee ID: Select One

Order Date: November 2017

Required Date:

Shipped Date:

Ship Via:

Freight:

Ship Name:

Ship Address:

Ship City:

Ship Region:

Ship Postal Code:

Add Record

Product Name: \*

Supplier ID: Select One

Category ID: Aux Joyeux ecclésiastiques

Quantity Per Unit: Bigfoot Breweries

Unit Price: Cooperativa de Quesos 'Las Cabras'

Units In Stock: Escargots Nouveaux

Units On Order: Exotic Liquids

Formaggi Fortini s.r.l.

Gai pâturage

- Contains JQuery Validation
- Contains JQuery UI Date Controls for date fields
- Contains bound Select Tag for foreign fields
- You can get here from the *List with Add, Edit Redirect, & Delete View* when clicking the *Add New Record* link
- One ASP.NET Core 6.0 View is generated per table

## 2.3 UPDATE RECORD

A view with validated input controls used for updating an existing record.

**Note:** The *Update Record* view shares the same user interface as the *Add New Record* view, sharing the same *Partial View*. One of the primary difference between the two is the title/label, one says “*Add Record*”, the other “*Update Record*”.

- Contains JQuery Validation
- Contains JQuery UI Date Controls for date fields
- Contains bound Select Tag for foreign fields
- You can get here from the *List with Add, Edit Redirect, & Delete View* when clicking the *Edit/Pencil Icon* link
- One ASP.NET Core 6.0 View is generated per table

## 2.4 RECORD DETAILS (READ ONLY)

A view with read-only details of a record.

### Record Details

Supplier ID:	2
Company Name:	New Orleans Cajun Delights
Contact Name:	Shelley Burke
Contact Title:	Order Administrator
Address:	P.O. Box 78934
City:	New Orleans
Region1:	LA
Postal Code:	70117
Country:	USA
Phone:	(100) 555-4822
Fax:	
Home Page:	#CAJUN.HTM#

[Return](#)
Returns to the last page

- Shows details of a record (Read-Only)
- You can get here from the *List (Read-Only)* View when clicking the foreign key links
- One ASP.NET Core 6.0 View is generated per table

## 2.5 LIST (READ-ONLY)

A view with a list of items shown in a grid. No CRUD functionality.

List of Products

Sort Ascending or Descending

Link to Foreign Field's Details Page

Product ID	Product Name	Supplier ID	Category ID	Quantity Per Unit	Unit Price	Units In Stock	Units On Order	Reorder Level	Discontinued
1	Chai	1	1	10 boxes x 20 bags	\$18.00	39	0	10	<input type="checkbox"/>
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	<input type="checkbox"/>
3	Aniseed Syrup	1	2	2 - 550 ml bottles	\$10.00	13	70	25	<input type="checkbox"/>
4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	\$22.00	53	0	0	<input type="checkbox"/>
5	Chef Anton's Gumbo Mix	2	2	36 boxes	\$21.35	0	0	0	<input checked="" type="checkbox"/>
6	Grandma's Boysenberry Syrup	3	2	12 - 8 oz jars	\$25.00	120	0	25	<input type="checkbox"/>
7	Uncle Bob's Organic Dried Pears	3	2	12 - 1 lb pkgs.	\$30.00	15	0	10	<input type="checkbox"/>
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	\$40.00	6	0	0	<input type="checkbox"/>
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	<input checked="" type="checkbox"/>
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	<input type="checkbox"/>

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Page Controls: First, Previous, Jump to a Specific Page, Next, Last, and Number of Items per Page

Total Number of Records

- Contains a JQgrid Control. No CRUD functionality (read-only).
- A link to the *Record Details* page is provided for all Foreign Key columns (for details on the foreign key)
- JQgrid control shows Sort Direction Image in the header
- JQgrid uses Paging in the footer
- List retrieves data on demand using Skip/Take logic
- Uses JSON to retrieve small amounts of data for every page or sort operation
- One ASP.NET Core 6.0 View is generated per table

## 2.6 LIST WITH ADD, EDIT, & DELETE (SAME PAGE)

A view with a list of items shown in a grid with CRUD functionality. A pop-up shows when adding or updating an item.

List of Products

Add New Products

Add New Item Link opens Modal Pop Up

Sort Ascending or Descending

Modal Pop Up opens when Adding New Item or Updating Existing Item

Add New Products

Product Name: \*  Product Name is required!

Supplier ID:  Foreign Key Field Filled w/ Data

Category ID:

Quantity Per Unit:

Unit Price:  Unit Price must be a valid decimal!

Units In Stock:  Units In Stock must be between -32768 and 32767

Units On Order:  Units On Order must be a number!

Reorder Level:  Reorder Level must be a number!

Discontinued: \* ☐

Add Cancel

Client-side Validation

Delete an Item w/ Confirmation

Edit Existing Item Link opens Modal Pop Up

Discontinued

View 1 - 10 of 186

Total Number of Records

- Contains a JQgrid Control that has CRUD (Create, Retrieve, Update, Delete) functionality.
- Add a new record on the same page with JQuery dialog with validation
- Update an existing record on the same page with JQuery dialog with validation
- Delete functionality uses a JQuery UI Pop-up for delete confirmation



- JQgrid control shows Sort Direction Image in the header
- JQgrid uses Paging in the footer
- List retrieves data on demand using Skip/Take logic
- Uses JSON to retrieve small amounts of data for every page or sort operation
- One ASP.NET Core 6.0 View is generated per table

## 2.7 LIST WITH GROUPING

A view with a list of grouped items (e.g. Employees by DepartmentID). No CRUD functionality.

List of Products By Categories

Sort Ascending or Descending      Listed in Grouping

Product ID	Product Name	Supplier ID	Category ID	Quantity Per Unit	Unit Price	Units In Stock	Units On Order	Reorder Level	Discontinued
<b>Beverages (2 Items)</b>									
1	Chai	1	1	10 boxes x 20 bags	\$18.00	39	0	10	<input type="checkbox"/>
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	<input type="checkbox"/>
<b>Condiments (4 Items)</b>									
3	Aniseed Syrup	1	2	12 - 550 ml bottles	\$10.00	13	70	25	<input type="checkbox"/>
4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	\$22.00	53	0	0	<input type="checkbox"/>
5	Chef Anton's Gumbo Mix	2	2	36 boxes	\$21.35	0	0	0	<input checked="" type="checkbox"/>
6	Grandma's Boysenberry Syrup	3	2	12 - 8 oz jars	\$25.00	120	0	25	<input type="checkbox"/>
<b>Produce (1 Item)</b>									
7	Uncle Bob's Organic Dried Pears	3	7	12 - 1 lb pkgs.	\$30.00	15	0	10	<input type="checkbox"/>
<b>Condiments (1 Item)</b>									
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	\$40.00	6	0	0	<input type="checkbox"/>
<b>Meat/Poultry (1 Item)</b>									
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	<input checked="" type="checkbox"/>
<b>Seafood (1 Item)</b>									
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	<input type="checkbox"/>

Page Controls: First, Previous, Jump to a Specific Page, Next, and Last and Number of Items per Page      Total Number of Records: 186

- Contains a JQgrid Control. No CRUD functionality (read-only).
- Shows grouping by the respective group
- Shows count per respective group
- Collapsible or expandable grid per group
- E.g. List of Orders by Shipper, List of Territories by Region
- JQgrid control shows Sort Direction Image in the header
- JQgrid uses Paging in the footer
- List retrieves data on demand using Skip/Take logic
- Uses JSON to retrieve small amounts of data for every page or sort operation
- One ASP.NET Core 6.0 View is generated for each table referencing the current table

## 2.8 LIST WITH TOTALS

A view with a list of items with totals in the footer shown in a grid. No CRUD functionality.

List of Products

Sort Ascending or Descending      Totals per Page

Product ID	Product Name	Supplier ID	Category ID	Quantity Per Unit	Unit Price	Units In Stock	Units On Order	Reorder Level	Discontinued
1	Chai	1	1	10 boxes x 20 bags	\$18.00	39	0	10	<input type="checkbox"/>
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	<input type="checkbox"/>
3	Aniseed Syrup	1	2	12 - 550 ml bottles	\$10.00	13	70	25	<input type="checkbox"/>
4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	\$22.00	53	0	0	<input type="checkbox"/>
5	Chef Anton's Gumbo Mix	2	2	36 boxes	\$21.35	0	0	0	<input checked="" type="checkbox"/>
6	Grandma's Boysenberry Syrup	3	2	12 - 8 oz jars	\$25.00	120	0	25	<input type="checkbox"/>
7	Uncle Bob's Organic Dried Pears	3	7	12 - 1 lb pkgs.	\$30.00	15	0	10	<input type="checkbox"/>
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	\$40.00	6	0	0	<input type="checkbox"/>
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	<input checked="" type="checkbox"/>
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	<input type="checkbox"/>
					<b>\$313.35</b>				

Page Controls: First, Previous, Jump to a Specific Page, Next, Last and Number of Items per Page      Total Number of Records: 186

- Contains a JQuery Control. No CRUD functionality (read-only).
- Shows totals on the footer for money fields
- JQuery control shows Sort Direction Image in the header
- JQuery uses Paging in the footer
- List retrieves data on demand using Skip/Take logic
- Uses JSON to retrieve small amounts of data for every page or sort operation
- One ASP.NET Core 6.0 View is generated for tables that have money data fields only

## 2.9 LIST WITH TOTALS AND GROUPING

A view with a list of grouped items (e.g. Employees by DepartmentID) with total count per group in the footer. No CRUD functionality.

List of Products By Categories

Sort Ascending or Descending    Listed in Grouping    Total per Group

Product ID	Product Name	Supplier ID	Category ID	Quantity Per Unit	Unit Price	Units In Stock	Units On Order	Reorder Level	Discontinued
Beverages (2 items)									
1	Chai	1	1	10 boxes x 20 bags	\$18.00	39	0	10	<input type="checkbox"/>
2	Chang	1	1	24 - 12 oz bottles	\$19.00	47	40	25	<input type="checkbox"/>
					Total: \$37.00				
Condiments (4 items)									
3	Aniseed Syrup	1	2	12 - 550 ml bottles	\$10.00	13	70	25	<input type="checkbox"/>
4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	\$22.00	53	0	0	<input type="checkbox"/>
5	Chef Anton's Gumbo Mix	2	2	36 boxes	\$21.35	0	0	0	<input checked="" type="checkbox"/>
6	Grandma's Boysenberry Spread	3	2	12 - 8 oz jars	\$25.00	120	0	25	<input type="checkbox"/>
					Total: \$78.35				
Produce (1 items)									
7	Uncle Bob's Organic Dried Pears	3	7	12 - 1 lb pkgs.	\$30.00	15	0	10	<input type="checkbox"/>
					Total: \$30.00				
Condiments (1 items)									
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	\$40.00	6	0	0	<input type="checkbox"/>
					Total: \$40.00				
Meat/Poultry (1 items)									
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	<input checked="" type="checkbox"/>
					Total: \$97.00				
Seafood (1 items)									
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	<input type="checkbox"/>
					Total: \$31.00				

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Page Controls: First, Previous, Jump to a Specific Page, Next, Last and Number of Items per Page

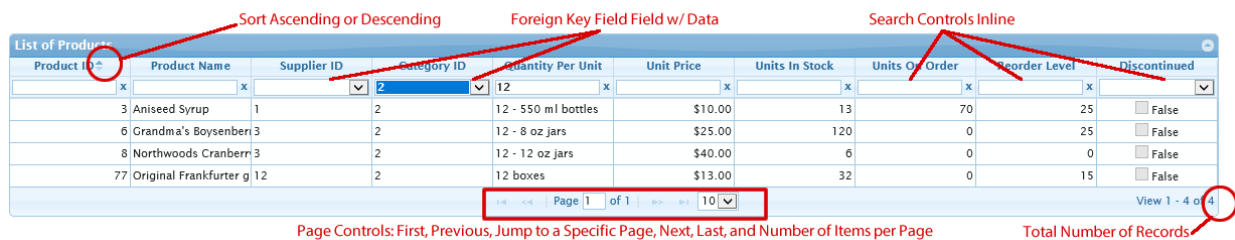
Total Number of Records

- Contains a JQuery Control. No CRUD functionality (read-only).
- Shows grouping by the respective group
- Shows count per respective group
- Collapsible or expandable grid per group
- E.g. List of Orders by Shipper, List of Territories by Region
- JQuery control shows Sort Direction Image in the header
- JQuery uses Paging in the footer
- List retrieves data on demand using Skip/Take logic
- Uses JSON to retrieve small amounts of data for every page or sort operation
- Shows totals on the footer of each group for money fields
- One ASP.NET Core 6.0 View is generated for tables that have money data fields only

## 2.10 LIST WITH SEARCH

A view with a list of items shown in a grid with CRUD and Search functionality. You can filter grid results by entering values in the input controls show on the header.

List of Products



Product ID	Product Name	Supplier ID	Category ID	Quantity Per Unit	Unit Price	Units In Stock	Units On Order	Reorder Level	Discontinued
3	Aniseed Syrup	1	2	12 - 550 ml bottles	\$10.00	13	70	25	False
6	Grandma's Boysenberry	3	2	12 - 8 oz jars	\$25.00	120	0	25	False
8	Northwoods Cranberry	3	2	12 - 12 oz jars	\$40.00	6	0	0	False
77	Original Frankfurter g	12	2	12 boxes	\$13.00	32	0	15	False

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- Contains a JQgrid Control. No CRUD functionality (read-only).
- Contains search functionality in the header of each searchable column
- Search uses the "AND" operator to satisfy all search filters
- JQgrid control shows Sort Direction Image in the header
- JQgrid uses Paging in the footer
- List retrieves data on demand using Skip/Take logic
- Uses JSON to retrieve small amounts of data for every page or sort operation
- One ASP.NET Core 6.0 View is generated per table

## 2.11 LIST WITH SCROLL-LOADING DATA

A view with a list of items shown in a grid. No CRUD functionality. Items are dynamically paged as you scroll through the grid.

List of Products



Product ID	Product Name	Supplier ID	Category ID	Quantity Per Unit	Unit Price	Units In Stock	Units On Order	Reorder Level	Discontinued
40	Boston Crab Meat	19	8	24 - 4 oz tins	\$18.40	123	0	30	
41	Jack's New England C	19	8	12 - 12 oz cans	\$9.65	85	0	10	
42	Singaporean Hokkien	20	5	3 - 1 kg pkgs.	\$14.00	26	0	0	
43	Ipoh Coffee	20	1	16 - 500 g tins	\$46.00	17	10	25	
44	Gula Malacca	20	2	20 - 2 kg bags	\$19.45	27	0	15	
45	Rogede sild	21	8	1k pkg.	\$9.50	5	70	15	
46	Spegesild	21	8	4 - 450 g glasses	\$12.00	95	0	0	
47	Zaanse koeken	22	3	10 - 4 oz boxes	\$9.50	36	0	0	
48	Chocolade	22	3	10 pkgs.	\$12.75	15	70	25	
49	Maxilaku	23	3	24 - 50 g pkgs.	\$20.00	10	60	15	
50	Valkoinen suklaa	23	3	12 - 100 g bars	\$16.25	65	0	30	
51	Mantimun Dried Anni	24	7	50 - 300 g pkgs.	\$53.00	20	0	10	

View 1 - 60 of 186

- Contains a JQgrid Control. No CRUD functionality (read-only).
- Data dynamically loads as you scroll through the list.
- JQgrid control shows Sort Direction Image in the header
- No paging controls in the bottom of JQGrid
- List retrieves data on demand using Skip/Take logic
- Uses JSON to retrieve small amounts of data for every page or sort operation
- One ASP.NET Core 6.0 View is generated per table

## 2.12 LIST WITH INLINE ADD AND EDIT

A view with a list of items shown in a grid with CRUD functionality. Add a new record and update an existing item in line with the grid.

List of Products

Add New Item Link

Sort Ascending or Descending

Inline Form Controls

Inline Cancel Button

Inline Save Button

Foreign Key Field w/ Data

Page Controls: First, Previous, Jump to a Specific Page, Next, Last, and Number of Items per Page

- Contains a JQgrid Control.
- Add a new record on the same page inline in the header of the List.
- Update an existing record inline on the same page
- Delete functionality uses a JQuery UI Pop-up for delete confirmation
- JQgrid control shows Sort Direction Image in the header
- JQgrid uses Paging in the footer
- List retrieves data on demand using Skip/Take logic
- Uses JSON to retrieve small amounts of data for every page, and sort operation
- One ASP.NET Core 6.0 View is generated per table

## 2.13 List with Manual For Each Loop

A view with a list of manually-looped items shown in a grid with CRUD functionality. Adding or updating an item redirects to another page.

List of Products

Add New Item Link

Sort Ascending or Descending

Link to Foreign Field's Details Page

Delete an Item w/ Confirmation

Edit Existing Item

Page Controls: First, Previous, Next, and Last

- No JQgrid control. The list is manually created using a Foreach loop.
- Has CRUD (Create, Retrieve, Update, Delete) functionality.
- Adding a new record redirects to another page
- Updating an existing record redirects to another page
- Delete functionality uses a JQuery UI Pop-up for delete confirmation
- Sorting and Paging manually-built
- List shows manually-built Sort Direction Image in the header
- List retrieves data on demand using Skip/Take logic
- One ASP.NET Core 6.0 View is generated per table

## 2.14 LIST WITH MASTER DETAIL (GRID)

A view with two grids with a master-detail relationship. No CRUD functionality. Clicking an item in the first grid loads related items in the second grid.

List of Products By Categories

Sort Ascending or Descending

Master

Category ID	Category Name	Description
1	Beverages	Soft drinks, coffees, teas, beers, and ales
2	Condiments	Sweet and savory sauces, relishes, spreads, and seasonings
3	Confections	Desserts, candies, and sweet breads
4	Dairy Products	Cheeses
5	Grains/Cereals	Breads, crackers, pasta, and cereal

Page Controls: First, Previous, Jump to a Specific Page, Next, Last and Number of Items per Page

Total Number of Records

Sort Ascending or Descending

Detail: Related Items

Product ID	Product Name	Supplier ID	Category ID	Quantity Per Unit	Unit Price	Units In Stock	Units On Order	Reorder Level	Discontinued
3	Aniseed Syrup	1	2	12 - 550 ml bottles	\$10.00	13	70	25	<input type="checkbox"/>
4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	\$22.00	53	0	0	<input type="checkbox"/>
5	Chef Anton's Gumbo Mix	2	2	36 boxes	\$21.35	0	0	0	<input checked="" type="checkbox"/>
6	Grandma's Boysenberry Spread	3	2	12 - 8 oz jars	\$25.00	120	0	25	<input type="checkbox"/>
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	\$40.00	6	0	0	<input type="checkbox"/>
15	Genen Shouyu	6	2	24 - 250 ml bottles	\$15.50	39	0	5	<input type="checkbox"/>
44	Gula Malacca	20	2	20 - 2 kg bags	\$19.45	27	0	15	<input type="checkbox"/>
61	Sirop d'érable	29	2	24 - 500 ml bottles	\$28.50	113	0	25	<input type="checkbox"/>
63	Veggie-spread	7	2	15 - 625 g jars	\$43.90	24	0	5	<input type="checkbox"/>
65	Louisiana Fiery Hot Pepper Sauce	2	2	32 - 8 oz bottles	\$21.05	76	0	0	<input type="checkbox"/>

Page Controls: First, Previous, Jump to a Specific Page, Next, Last and Number of Items per Page

Total Number of Records

- Contains 2 JQgrid Controls with a Master-Detail relationship, one on top of the other. No CRUD functionality (read-only).
- Clicking an item ID in the first (master) grid loads related items in the second (details) grid
- Both JQgrid controls shows Sort Direction Image in the header
- Both JQgrid uses Paging in the footer
- Both list retrieves data on demand using Skip/Take logic
- Both list Uses JSON to retrieve small amounts of data for every page or sort operation
- One ASP.NET Core 6.0 View is generated for each foreign key in each table

## 2.15 LIST WITH MASTER DETAIL (SUB GRID)

A view with a grid within another grid with a master-detail relationship. No CRUD functionality. Expanding an item in the master grid loads related items in the sub grid.

List of Products By Categories

Sort Ascending or Descending

Master

Detail: Related Items

Sub Grid (A grid within a grid)

Category ID	Category Name	Description
1	Beverages	Soft drinks, coffees, teas, beers, and ales

Product ID	Product Name	Supplier ID	Category ID	Quantity Per Unit	Unit Price	Units In Stock	Units On Order	Reorder Level	Discontinued
1	Chai	1	1	10 boxes x 20 bags	\$18.00	39	0	10	<input type="checkbox"/>
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	<input type="checkbox"/>
24	Guaraná Fantástica	10	1	12 - 355 ml cans	\$4.50	20	0	0	<input checked="" type="checkbox"/>
34	Sasquatch Ale	16	1	24 - 12 oz bottles	\$14.00	111	0	15	<input type="checkbox"/>
35	Steeleye Stout	16	1	24 - 12 oz bottles	\$18.00	20	0	15	<input type="checkbox"/>

Page 1 of 4

View 1 - 5 of 17

Detail: Sort Ascending or Descending

Page Controls: First, Previous, Jump to a Specific Page, Next, Last and Number of Items per Page

Total Number of Records

Category ID	Category Name	Description
2	Condiments	Sweet and savory sauces, relishes, spreads, and seasonings
3	Confections	Desserts, candies, and sweet breads
4	Dairy Products	Cheeses
5	Grains/Cereals	Breads, crackers, pasta, and cereal

Page 1 of 3

View 1 - 5 of 14

Page Controls: First, Previous, Jump to a Specific Page, Next, Last and Number of Items per Page

Total Number of Records

- Contains 2 JQgrid Controls with a Master-Detail relationship, a grid (sub grid) within another grid. No CRUD functionality (read-only).
- Expanding an item in the master grid loads related items in the sub grid
- Both JQgrid controls shows Sort Direction Image in the header
- Both JQgrid uses Paging in the footer
- Both list retrieves data on demand using Skip/Take logic
- Both list Uses JSON to retrieve small amounts of data for every page or sort operation
- One ASP.NET Core 6.0 View is generated for each foreign key in each table

## 2.16 LIST WITH MULTIPLE DELETE

A view with a list of items shown in a grid with CRUD functionality.

Add New Item redirects to another page

Selects/Unselects All items for Deletion

Sort Ascending or Descending

Clicking anywhere in the row redirects to Edit Existing Item

Check Items individually for Deletion

Delete Checked Items with Confirmation

Page Controls: First, Previous, Jump to a Specific Page, Next, Last, and Number of Items per Page

Total Number of Records

Product ID	Product Name	Supplier ID	Category ID	Quantity Per Unit	Unit Price	Units In Stock	Units On Order	Reorder Level	Discontinued
1	Chai	1	1	10 boxes x 20 bags	\$18.00	39	0	10	<input type="checkbox"/>
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	<input type="checkbox"/>
3	Aniseed Syrup	1	2	12 - 550 ml bottles	\$10.00	13	70	25	<input type="checkbox"/>
4	Chef Anton's Cajun Sausages	2	2	48 - 6 oz jars	\$22.00	53	0	0	<input type="checkbox"/>
5	Chef Anton's Gumbo	2	2	36 boxes	\$21.35	0	0	0	<input checked="" type="checkbox"/>
6	Grandma's Boysenberry	3	2	12 - 8 oz jars	\$25.00	120	0	25	<input type="checkbox"/>
7	Uncle Bob's Organic Dried Pears	3	7	12 - 1 lb pkgs.	\$30.00	15	0	10	<input type="checkbox"/>
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	\$40.00	6	0	0	<input type="checkbox"/>
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	<input checked="" type="checkbox"/>
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	<input type="checkbox"/>

Page 1 of 8

View 1 - 10 of 77

- Contains a JQgrid Control
- Adding a new record redirects to another page
- Clicking anywhere in the row redirects to another page for Updating an existing record
- Multiple Delete functionality uses a JQuery UI Pop-up for delete confirmation
- Select/Unselect All records for delete operation
- JQgrid control shows Sort Direction Image in the header
- JQgrid uses Paging in the footer
- List retrieves data on demand using Skip/Take logic
- Uses JSON to retrieve small amounts of data for every page or sort operation
- One ASP.NET Core 6.0 View is generated per table

## 2.17 LIST BY FOREIGN KEY

A view with a list of items shown in a grid Listed By a Foreign Key. No CRUD functionality.

Categories: Beverages — Listed By (Category) Sort Ascending or Descending

Product ID	Product Name	Supplier ID	Category ID	Quantity Per Unit	Unit Price	Units In Stock	Units On Order	Reorder Level	Discontinued
1	Chai	1	1	10 boxes x 20 bags	\$18.00	39	0	10	<input type="checkbox"/>
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	<input type="checkbox"/>
24	Guaraná Fantástica	10	1	12 - 355 ml cans	\$4.50	20	0	0	<input checked="" type="checkbox"/>
34	Sasquatch Ale	16	1	24 - 12 oz bottles	\$14.00	111	0	15	<input type="checkbox"/>
35	Steeleye Stout	16	1	24 - 12 oz bottles	\$18.00	20	0	15	<input type="checkbox"/>
38	Côte de Blaye	18	1	12 - 75 cl bottles	\$263.50	17	0	15	<input type="checkbox"/>
39	Chartreuse verte	18	1	750 cc per bottle	\$18.00	69	0	5	<input type="checkbox"/>
43	Ippoh Coffee	28	1	16 - 500 g tins	\$46.00	17	10	25	<input type="checkbox"/>
67	Laughing Lumberjack	16	1	24 - 12 oz bottles	\$14.00	52	0	10	<input type="checkbox"/>
70	Outback Lager	7	1	24 - 355 ml bottles	\$15.00	15	10	30	<input type="checkbox"/>

Page 1 of 0 10 View 1 - 10 of 10

Link to Foreign Field's Details Page      Page Controls: First, Previous, Jump to a Specific Page, Next, Last, and Number of Items per Page      Total Number of Records

- Contains a JQgrid Control. No CRUD functionality (read-only)
- Lists items by Foreign Key. A Drop Down box determines related items to list
- A link to the *Record Details* page is provided for all Foreign Key columns (for details on the foreign key)
- JQgrid control shows Sort Direction Image in the header
- JQgrid uses Paging in the footer
- List retrieves data on demand using Skip/Take logic
- Uses JSON to retrieve small amounts of data for every page or sort operation
- One ASP.NET Core 6.0 View is generated per table's Foreign Key, only for tables that have at least 1 Foreign Key

## 2.18 UNBOUND VIEW

A view with validated input controls which can be used for adding a new record or updating a record. Not bound/connected to the database so you will need to add your own code to bind it to the database.

**Note:** This is the only view that is generated by the **AspCoreGen 6.0 Express Edition**. Also generated by AspCoreGen 6.0 Professional Edition.

**Unbound Record**

Product Name: \*  ✖ Product Name is required!

Supplier ID: Select One ▼

Category ID: Select One ▼

Quantity Per Unit:

Unit Price:  ✖ Unit Price must be a valid decimal!

Units In Stock:  ✖ Units In Stock must be a number!

Units On Order:

Reorder Level:

Discontinued: \* ☐

**Add Record**

Customer ID: Select One ▼

Employee ID: Select One ▼

Order Date:

Required Date:

Shipped Date:

Ship Via: ▼

Freight:

Ship Name:

Ship Address:

Ship City:

Ship Region:

Ship Postal Code:

**Client-side Validation**

**jQuery UI Themes**

**Foreign Key Field (No data)**

- MVC views that are not bound to the database
- Contains JQuery Validation
- Contains JQuery UI Date Controls for date fields
- Contains unbound DropDownList for foreign fields
- Can be used when adding a new record or updating an existing record
- One ASP.NET Core 6.0 View is generated per table



## 3 VIEW NAMES

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Directly related to the *Views to Generate*. A list of ASP.NET MVC view *File Names* that will be generated by AspCoreGen 6.0 MVC. These view *File Names* are filled by default. You can, however, change any of the view *File Name* as you see fit.

View Names
ListCrudRedirect
Add
Update
Details
ListReadOnly
ListCrud
ListGroupedBy
ListTotals
ListTotalsGroupedBy
ListSearch
ListScrollLoad
ListInline
ListForeach
ListMasterDetailGridBy
ListMasterDetailSubGridBy
ListMultipleDelete
ListBy
Unbound

### 3.1 LISTCRUDREDIRECT (DEFAULT)

When generated, the default view name will be *ListCrudRedirect.cshtml*. Related to the *List with Add, Edit, Redirect, & Delete Views to Generate*.

### 3.2 ADD (DEFAULT)

When generated, the default view name will be *Add.cshtml*. Related to the *Add New Record Views to Generate*.

### 3.3 UPDATE (DEFAULT)

When generated, the default view name will be *Update.cshtml*. Related to the *Update Record Views to Generate*.

### 3.4 DETAILS (DEFAULT)

When generated, the default view name will be *Details.cshtml*. Related to the *Record Details (Read-Only)* Views to Generate.

### 3.5 LISTREADONLY (DEFAULT)

When generated, the default view name will be *ListReadOnly.cshtml*. Related to the *List (Read-Only)* Views to Generate.

### 3.6 LISTCRUD (DEFAULT)

When generated, the default view name will be *ListCrud.cshtml*. Related to the *List with Add, Edit, & Delete (Same Page)* Views to Generate.

### 3.7 LISTGROUPEDBY (DEFAULT)

When generated, the default view name will be *ListGroupedByForeignKey.cshtml*. A view/file is generated for each of the *Foreign Key* in a table, and will only be generated for database tables with at least one foreign key. Related to the *List with Grouping* Views to Generate. For example, the *Products* table for the *Northwind* database have 2 *Foreign Keys*; *CategoryID* and *SupplierID*. The generated views for the *Products* table will be:

- *ListGroupedByCategoryID.cshtml*
- *ListGroupedBySupplierID.cshtml*

### 3.8 LISTTOTALS (DEFAULT)

When generated, the default view name will be *ListTotals.cshtml*. A view/file is generated for database tables that have a SQL column type *Money*. Related to the *List with Totals* Views to Generate.

### 3.9 LISTTOTALSGROUPEDBY (DEFAULT)

When generated, the default view name will be *ListTotalsGroupedByForeignKey.cshtml*. A view/file is generated for each of the *Foreign Key* in a table, and will only be generated for database tables with at least one foreign key and database tables that have a SQL column type *Money*. Related to the *List with Totals and Grouping* Views to Generate. For example, the *Products* table for the *Northwind* database have 2 *Foreign Keys*; *CategoryID* and *SupplierID*. The generated views for the *Products* table will be:

- *ListTotalsGroupedByCategoryID.cshtml*
- *ListTotalsGroupedBySupplierID.cshtml*

### 3.10 LISTSEARCH (DEFAULT)

When generated, the default view name will be *ListSearch.cshtml*. Related to the *List with Search* Views to Generate.

### 3.11 LISTSCROLLLOAD (DEFAULT)

When generated, the default view name will be *ListScrollLoad.cshtml*. Related to the *List Scroll-Load Data* Views to Generate.

### 3.12 LISTINLINE (DEFAULT)

When generated, the default view name will be *ListInline.cshtml*. Related to the *List with Inline Add & Edit* Views to Generate.

### 3.13 ListForeach (DEFAULT)

When generated, the default view name will be *ListForeach.cshtml*. Related to the *List with Manual For Each* Views to Generate.

### 3.14 LISTMASTERDETAILGRIDBY (DEFAULT)

When generated, the default view name will be *ListMasterDetailGridByForeignKey.cshtml*. A view/file is generated for each of the *Foreign Key* in a table, and will only be generated for database tables with at least one foreign key. Related to the *List with Master Detail (Grid)* Views to Generate. For example, the *Products* table for the *Northwind* database have 2 *Foreign Keys*; *CategoryID* and *SupplierID*. The generated views for the *Products* table will be:

- *ListMasterDetailGridByCategoryID.cshtml*
- *ListMasterDetailGridBySupplierID.cshtml*

### 3.15 LISTMASTERDETAILSUBGRIDBY (DEFAULT)

When generated, the default view name will be *ListMasterDetailSubGridByForeignKey.cshtml*. A view/file is generated for each of the *Foreign Key* in a table, and will only be generated for database tables with at least one foreign key. Related to the *List with Master Detail (Sub Grid)* Views to Generate. For example, the *Products* table for the *Northwind* database have 2 *Foreign Keys*; *CategoryID* and *SupplierID*. The generated views for the *Products* table will be:

- *ListMasterDetailSubGridByCategoryID.cshtml*
- *ListMasterDetailSubGridBySupplierID.cshtml*

### 3.16 LISTMULTIPLEDELETE (DEFAULT)

When generated, the default view name will be *ListForeach.cshtml*. A view/file is generated for database tables that have only One *Primary Key*. Related to the *List with Multiple Delete Views to Generate*.

### 3.17 LIST BY (DEFAULT)

When generated, the default view name will be *ListByForeignKey.cshtml*. A view/file is generated for each of the *Foreign Key* in a table, and will only be generated for database tables with at least one foreign key.

Related to the *List by Foreign Key Views to Generate*. For example, the *Products* table for the *Northwind* database have 2 *Foreign Keys*; *CategoryID* and *SupplierID*. The generated views for the *Products* table will be:

- *ListByCategoryID.cshtml*
- *ListBySupplierID.cshtml*

### 3.18 UNBOUND (DEFAULT)

When generated, the default view name will be *Unbound.cshtml*. Related to the *Unbound View Views to Generate*.

**Note:** This is the only view/file that is generated by the **AspCoreGen 6.0 Express Edition**. Also generated by **AspCoreGen 6.0 Professional Edition**.

## 4 MODEL VIEW CONTROLLER (MVC)

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The *Model View Controller (MVC)* is not listed in the *UI Settings Tab*. However, ASP.NET MVC is the user interface technology generated by AspCoreGen 6.0 MVC. Technically, the *View* and the *Controller* part of ASP.NET MVC is the user interface technology generated by AspCoreGen 6.0 MVC. The *Model* (and *View Model*) is used to supply data or used as a *Class* of properties by the *View* and/or the *Controller* and can be reused by other projects or clients.

The generated code is layered in an *N-Tier* architecture:

- **Front End** (User Interface - Presentation Layer) Views, Controllers, JavaScript, CSS, JQuery, and more.
- **Business Layer** (Middle Tier) Business Logic Files, Models, Views, View Models, etc.
- **Data Repository** (Data Tier) using Linq-to-Entities - Entity Framework Core or Ad-Hoc SQL.
- **SQL Scripts** (Stored Procedures).

The whole *Web Application Project* that is generated by AspCoreGen 6.0 MVC is the *Front End (User Interface)* part of the N-Tier. This will be the *MyApp.csproj* project that is shown as an example in the *Code Settings Tab* (document) tutorial (*Web Application – 2.1*). This project contains the generated MVC Views and Controllers.

## 4.1 CONTROLLER AND VIEW RELATIONSHIP

A *Controller* is generated per database table or view. When an MVC view is generated, an *Action Method* for that MVC view is also generated as an entry in the respective *Controller*. In short, a *Controller* can have many *Action Methods*.

\* The *Selected Tables* tab will only automatically open when the *Automatically Open Selected Tables or Selected Views Tab* check box is *Checked*, which is the default.

This tutorial offers a quick look in using AspCoreGen 6.0 MVC. You can read end-to-end tutorials on more subjects on using AspCoreGen 6.0 MVC Professional Plus that came with your purchase. These tutorials are available to customers and are included in a link on your invoice when you purchase AspCoreGen 6.0 MVC Professional.

**Note:** Some features shown here are not available in the Express Edition.

End of tutorial.