

UI (User Interface) Settings Tab

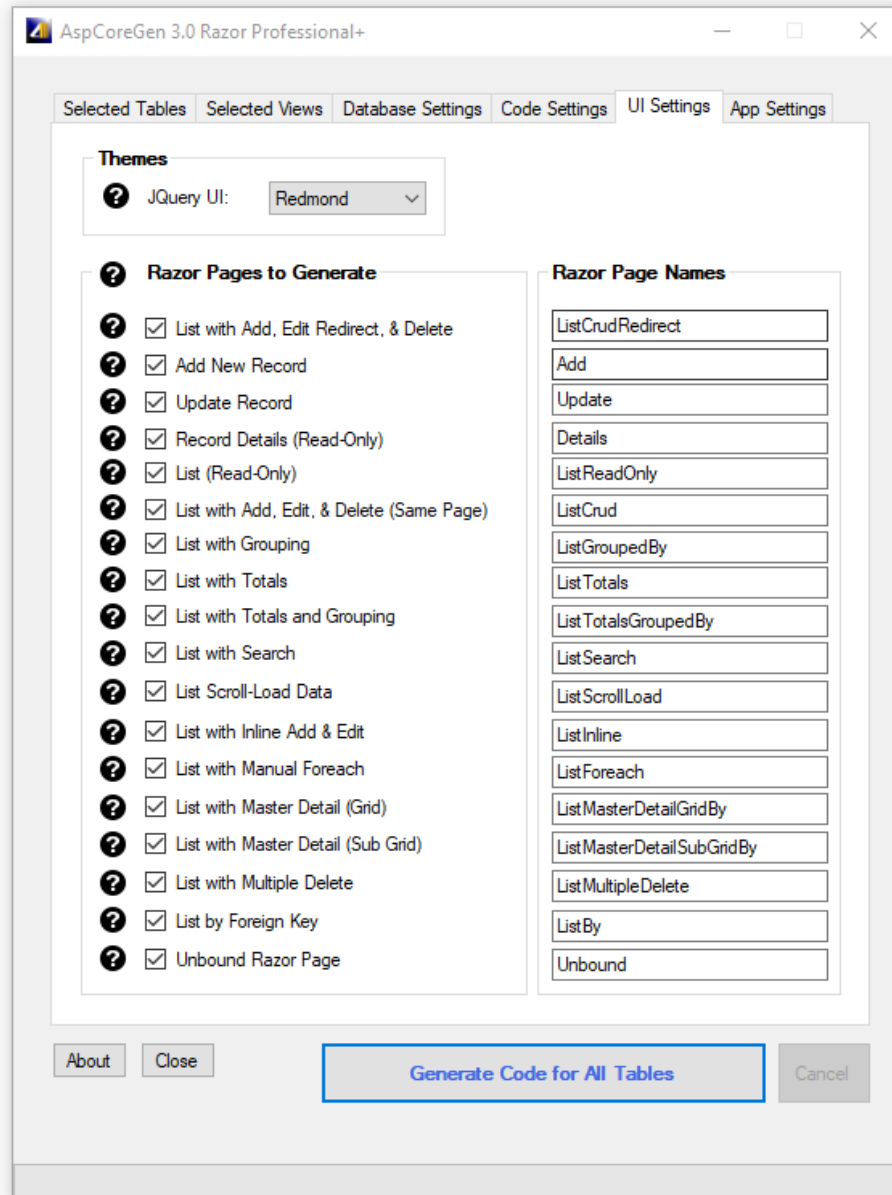
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UI (User Interface) Settings Tab

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



1 THEMES

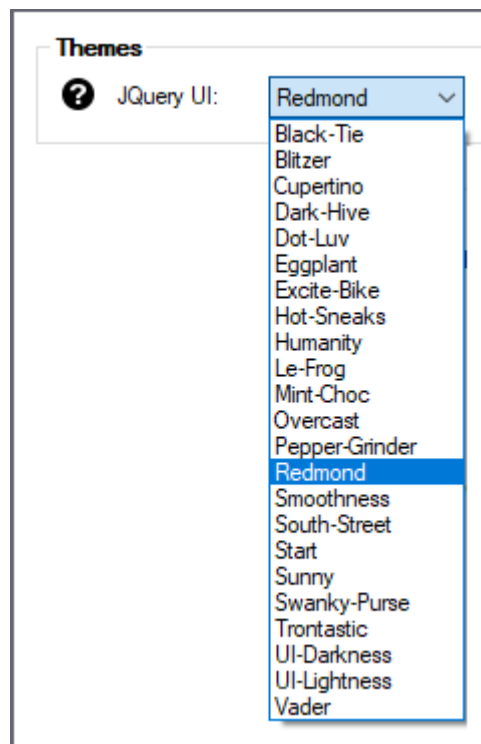
Themes are used for theming ASP.NET user interface and HTML controls such as an input, select, label, dialog, datepicker (input) tags to name a few.

1.1 JQUERY UI

jQuery UI is a 3rd 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/>.

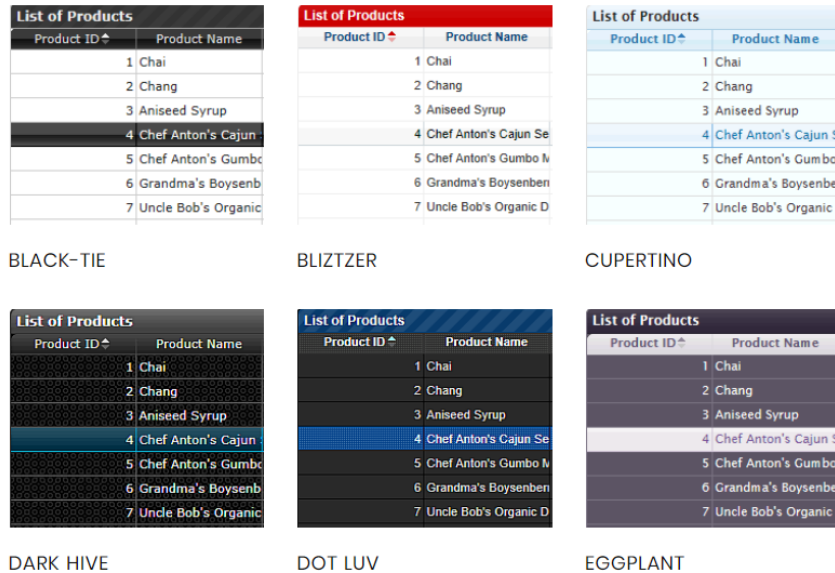


We use 23 *jQuery UI* themes. The *Redmond* theme is used the default, however, you can choose which theme you would like to use in the drop down list shown below.



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/AspCoreGen3Razor/GeneratedPresentationLayer> to see all 23 *jQuery UI* themes.



2 RAZOR PAGES TO GENERATE

A list of ASP.NET Razor Pages that can be generated by AspCoreGen 3.0 Razor. Each Razor Page can be selected (checked) to signal code generation for the respective razor page. All razor pages are checked by default.

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

?

Razor Pages 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 Razor Page

2.1 LIST WITH ADD, EDIT REDIRECT & DELETE

A razor page 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

Edit Existing Item redirects to another page

Delete an Item w/ Confirmation

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	☐
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	☐
3	Aniseed Syrup	1	2	12 - 550 ml bottles	\$10.00	13	70	25	☐
4	Chef Anton's Cajun S	2	2	48 - 6 oz jars	\$22.00	53	0	0	☐
5	Chef Anton's Gumbo	2	2	36 boxes	\$21.35	0	0	0	☒
6	Grandma's Boysenbe	3	2	12 - 8 oz jars	\$25.00	120	0	25	☐
7	Uncle Bob's Organic	3	7	12 - 1 lb pkgs.	\$30.00	15	0	10	☐
8	Northwoods Cranber	3	2	12 - 12 oz jars	\$40.00	6	0	0	☐
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	☒
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	☐

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 3.1 Razor Page is generated per table

2.2 ADD NEW RECORD

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

Note: The *Add New Record* razor page shares the same user interface as the *Update Record* razor page, sharing the same *Partial Razor Page*. 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)

Customer ID: Select One

Employee ID: Select One

Order Date: 1

Required Date: November 2017

Shipped Date:

Ship Via: Su Mo Tu We Th Fr Sa

Freight: 5 6 7 8 9 10 11

Ship Name: 12 13 14 15 16 17 18

Ship Address: 19 20 21 22 23 24 25

Ship City: 26 27 28 29 30

Ship Region:

Ship Postal Code:

Cancel

Add Record

Product Name: *

Supplier ID: Select One

Category ID: Aux Joyeux ecclésiastiques
Bigfoot Breweries
Cooperativa de Quesos 'Las Cabras'

Quantity Per Unit: Escargots Nouveaux

Unit Price: Exotic Liquids

Units In Stock: Forêts d'érables

Units On Order: 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* Razor Page when clicking the *Add New Record* link
- One ASP.NET Core 3.1 Razor Page is generated per table

2.3 UPDATE RECORD

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

Note: The *Update Record* razor page shares the same user interface as the *Add New Record* razor page, sharing the same *Partial Razor Page*. 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* Razor Page when clicking the *Edit/Pencil Icon* link
- One ASP.NET Core 3.1 Razor Page is generated per table

2.4 RECORD DETAILS (READ ONLY)

A razor page 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)* Razor Page when clicking the foreign key links
- One ASP.NET Core 3.1 Razor Page is generated per table

2.5 LIST (READ-ONLY)

A razor page 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	☐
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	☐
3	Aniseed Syrup	2	2	2 - 550 ml bottles	\$10.00	13	70	25	☐
4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	\$22.00	53	0	0	☐
5	Chef Anton's Gumbo Mix	2	2	36 boxes	\$21.35	0	0	0	☒
6	Grandma's Boysenberry Spread	3	2	12 - 8 oz jars	\$25.00	120	0	25	☐
7	Uncle Bob's Organic Dried Pears	3	2	12 - 1 lb pkgs.	\$30.00	15	0	10	☐
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	\$40.00	6	0	0	☐
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	☒
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	☐

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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 3.1 Razor Page is generated per table

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

A razor page 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: * ☐

Client-side Validation

Add Cancel

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 3.1 Razor Page is generated per table

2.7 LIST WITH GROUPING

A razor page 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
Beverages (2 items)									
1	Chai	1	1	10 boxes x 20 bags	\$18.00	39	0	10	☐
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	☐
Condiments (4 items)									
3	Aniseed Syrup	1	2	12 - 550 ml bottles	\$10.00	13	70	25	☐
4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	\$22.00	53	0	0	☐
5	Chef Anton's Gumbo Mix	2	2	36 boxes	\$21.35	0	0	0	☒
6	Grandma's Boysenberry Syrup	3	2	12 - 8 oz jars	\$25.00	120	0	25	☐
Produce (1 item)									
7	Uncle Bob's Organic Dried Pears	3	7	12 - 1 lb pkgs.	\$30.00	15	0	10	☐
Condiments (1 item)									
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	\$40.00	6	0	0	☐
Meat/Poultry (1 item)									
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	☒
Seafood (1 item)									
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	☐

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 3.1 Razor Page is generated for each table referencing the current table

2.8 LIST WITH TOTALS

A razor page 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	☐
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	☐
3	Aniseed Syrup	1	2	12 - 550 ml bottles	\$10.00	13	70	25	☐
4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	\$22.00	53	0	0	☐
5	Chef Anton's Gumbo Mix	2	2	36 boxes	\$21.35	0	0	0	☒
6	Grandma's Boysenberry Syrup	3	2	12 - 8 oz jars	\$25.00	120	0	25	☐
7	Uncle Bob's Organic Dried Pears	3	7	12 - 1 lb pkgs.	\$30.00	15	0	10	☐
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	\$40.00	6	0	0	☐
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	☒
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	☐
					\$313.35				

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 3.1 Razor Page is generated for tables that have money data fields only

2.9 LIST WITH TOTALS AND GROUPING

A razor page 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	☐
2	Chang	1	1	24 - 12 oz bottles	\$19.00	47	40	25	☐
					Total: \$37.00				
Condiments (4 items)									
3	Aniseed Syrup	1	2	12 - 550 ml bottles	\$10.00	13	70	25	☐
4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	\$22.00	53	0	0	☐
5	Chef Anton's Gumbo Mix	2	2	36 boxes	\$21.35	0	0	0	☒
6	Grandma's Boysenberry Spread	3	2	12 - 8 oz jars	\$25.00	120	0	25	☐
					Total: \$78.35				
Produce (1 item)									
7	Uncle Bob's Organic Dried Pears	3	7	12 - 1 lb pkgs.	\$30.00	15	0	10	☐
					Total: \$30.00				
Condiments (1 item)									
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	\$40.00	6	0	0	☐
					Total: \$40.00				
Meat/Poultry (1 item)									
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	☒
					Total: \$97.00				
Seafood (1 item)									
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	☐
					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 3.1 Razor Page is generated for tables that have money data fields only

2.10 LIST WITH SEARCH

A razor page 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 3.1 Razor Page is generated per table

2.11 LIST WITH SCROLL-LOADING DATA

A razor page 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	Ippoh 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	

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- 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 3.1 Razor Page is generated per table

2.12 LIST WITH INLINE ADD AND EDIT

A razor page 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

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	False
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	False
3	Aniseed Syrup	2	1	550 ml bottles	\$10.00	13	70	25	False
4	Chef Anton's Cajun S	2	2	18 - 6 oz jars	\$22.00	53	0	0	False
5	Chef Anton's Gumbo	2	2	36 boxes	\$21.35	0	0	0	True
6	Grandma's Boysenbe	3	2	12 - 8 oz jars	\$25.00	120	0	25	False
7	Uncle Bob's Organic	3	2	12 - 1 lb pkgs.	\$30.00	15	0	10	False
8	Northwoods Cranber	3	2	12 - 12 oz jars	\$40.00	6	0	0	False
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	True
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	False

- Contains a JQgrid Control.
- Add a new record on the same page inline 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 3.1 Razor Page is generated per table

2.13 List with Manual For Each Loop

A razor page 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

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	False
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	False
3	Aniseed Syrup	2	1	550 ml bottles	\$10.00	13	70	25	False
4	Chef Anton's Cajun Seasoning	2	2	18 - 6 oz jars	\$22.00	53	0	0	False
5	Chef Anton's Gumbo Mix	2	2	36 boxes	\$21.35	0	0	0	True
6	Grandma's Boysenberry Spread	3	2	12 - 8 oz jars	\$25.00	120	0	25	False
7	Uncle Bob's Organic Dried Pears	3	2	12 - 1 lb pkgs.	\$30.00	15	0	10	False
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	\$40.00	6	0	0	False
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	True
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	False
11	Queso Cabrales	5	4	1 kg pkg.	\$21.00	22	30	30	False
12	Queso Manchego La Pastora	5	4	10 - 500 g pkgs.	\$38.00	86	0	0	False
13	Konbu	6	8	2 kg box	\$6.00	24	0	5	False
14	Tofu	6	7	40 - 100 g pkgs.	\$23.25	35	0	0	False
15	Genen Shoyu	6	7	24 - 250 ml bottles	\$15.50	39	0	5	False

- 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 3.1 Razor Page is generated per table

2.14 LIST WITH MASTER DETAIL (GRID)

A razor page 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	☐
4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	\$22.00	53	0	0	☐
5	Chef Anton's Gumbo Mix	2	2	36 boxes	\$21.35	0	0	0	☒
6	Grandma's Boysenberry Spread	3	2	12 - 8 oz jars	\$25.00	120	0	25	☐
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	\$40.00	6	0	0	☐
15	Genen Shouyu	6	2	24 - 250 ml bottles	\$15.50	39	0	5	☐
44	Gula Malacca	20	2	20 - 2 kg bags	\$19.45	27	0	15	☐
61	Sirop d'érable	29	2	24 - 500 ml bottles	\$28.50	113	0	25	☐
63	Veggie-spread	7	2	15 - 625 g jars	\$43.90	24	0	5	☐
65	Louisiana Fiery Hot Pepper Sauce	2	2	32 - 8 oz bottles	\$21.05	76	0	0	☐

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 3.1 Razor Page is generated for each foreign key in each table

2.15 LIST WITH MASTER DETAIL (SUB GRID)

A razor page 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	☐
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	☐
24	Guaraná Fantástica	10	1	12 - 355 ml cans	\$4.50	20	0	0	☒
34	Sasquatch Ale	16	1	24 - 12 oz bottles	\$14.00	111	0	15	☐
35	Steeleye Stout	16	1	24 - 12 oz bottles	\$18.00	20	0	15	☐

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

View 1 - 5 of 17

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

Total Number of Records

View 1 - 5 of 14

- 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 3.1 Razor Page is generated for each foreign key in each table

2.16 LIST WITH MULTIPLE DELETE

A razor page 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	☐
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	☐
3	Aniseed Syrup	1	2	12 - 550 ml bottles	\$10.00	13	70	25	☐
4	Chef Anton's Cajun S	2	2	48 - 6 oz jars	\$22.00	53	0	0	☐
5	Chef Anton's Gumbo	2	2	36 boxes	\$21.35	0	0	0	☒
6	Grandma's Boysenber	3	2	12 - 8 oz jars	\$25.00	120	0	25	☐
7	Uncle Bob's Organic C	3	7	12 - 1 lb pkgs.	\$30.00	15	0	10	☐
8	Northwoods Cranberr	3	2	12 - 12 oz jars	\$40.00	6	0	0	☐
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	\$97.00	29	0	0	☒
10	Ikura	4	8	12 - 200 ml jars	\$31.00	31	0	0	☐

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 3.1 Razor Page is generated per table

2.17 LIST BY FOREIGN KEY

A razor page 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	☐
2	Chang	1	1	24 - 12 oz bottles	\$19.00	17	40	25	☐
24	Guaraná Fantástica	10	1	12 - 355 ml cans	\$4.50	20	0	0	☒
34	Sasquatch Ale	16	1	24 - 12 oz bottles	\$14.00	111	0	15	☐
35	Steeleye Stout	16	1	24 - 12 oz bottles	\$18.00	20	0	15	☐
38	Côte de Blaye	18	1	12 - 75 cl bottles	\$263.50	17	0	15	☐
39	Chartreuse verte	18	1	750 cc per bottle	\$18.00	69	0	5	☐
43	Ippoh Coffee	28	1	16 - 500 g tins	\$46.00	17	10	25	☐
67	Laughing Lumberjack	16	1	24 - 12 oz bottles	\$14.00	52	0	10	☐
70	Outback Lager	7	1	24 - 355 ml bottles	\$15.00	15	10	30	☐

Page 1 of 0 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 3.1 Razor Page is generated per table's Foreign Key, only for tables that have at least 1 Foreign Key

2.18 UNBOUND RAZOR PAGE

A razor page 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 razor page that is generated by the **AspCoreGen 3.0 Express Edition**. Also generated by AspCoreGen 3.0 Professional Edition.

Unbound Record

Product Name: * ✖ Product Name is required!

Supplier ID: Foreign Key Field (No data)

Category ID:

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:

Employee ID:

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

jQuery UI Date Controls

- Razor Pages 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 3.1 Razor Page is generated per table

3 RAZOR PAGE NAMES

Directly related to the *Razor Pages to Generate*. A list of ASP.NET Razor Page *File Names* that will be generated by AspCoreGen 3.0 Razor. These razor page *File Names* are filled by default. You can, however, change any of the razor page *File Name* as you see fit.

Razor Page 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 razor page name will be *ListCrudRedirect.cshtml*. Related to the *List with Add, Edit, Redirect, & Delete* Razor Pages to Generate.

3.2 ADD (DEFAULT)

When generated, the default razor page name will be *Add.cshtml*. Related to the *Add New Record* Razor Pages to Generate.

3.3 UPDATE (DEFAULT)

When generated, the default razor page name will be *Update.cshtml*. Related to the *Update Record* Razor Pages to Generate.

3.4 DETAILS (DEFAULT)

When generated, the default razor page name will be *Details.cshtml*. Related to the *Record Details (Read-Only)* Razor Pages to Generate.

3.5 LISTREADONLY (DEFAULT)

When generated, the default razor page name will be *ListReadOnly.cshtml*. Related to the *List (Read-Only)* Razor Pages to Generate.

3.6 LISTCRUD (DEFAULT)

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

3.7 LISTGROUPEDBY (DEFAULT)

When generated, the default razor page name will be *ListGroupedByForeignKey.cshtml*. A razor page/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* Razor Pages to Generate. For example, the *Products* table for the *Northwind* database have 2 *Foreign Keys*; *CategoryID* and *SupplierID*. The generated razor pages for the *Products* table will be:

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

3.8 LISTTOTALS (DEFAULT)

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

3.9 LISTTOTALSGROUPEDBY (DEFAULT)

When generated, the default razor page name will be *ListTotalsGroupedByForeignKey.cshtml*. A razor page/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* Razor Pages to Generate. For example, the *Products* table for the *Northwind* database have 2 *Foreign Keys*; *CategoryID* and *SupplierID*. The generated razor pages for the *Products* table will be:

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

3.10 LISTSEARCH (DEFAULT)

When generated, the default razor page name will be *ListSearch.cshtml*. Related to the *List with Search* Razor Pages to Generate.

3.11 LISTSCROLLLOAD (DEFAULT)

When generated, the default razor page name will be *ListScrollLoad.cshtml*. Related to the *List Scroll-Load Data* Razor Pages to Generate.

3.12 LISTINLINE (DEFAULT)

When generated, the default razor page name will be *ListInline.cshtml*. Related to the *List with Inline Add & Edit* Razor Pages to Generate.

3.13 ListForeach (DEFAULT)

When generated, the default razor page name will be *ListForeach.cshtml*. Related to the *List with Manual For Each* Razor Pages to Generate.

3.14 LISTMASTERDETAILGRIDBY (DEFAULT)

When generated, the default razor page name will be *ListMasterDetailGridByForeignKey.cshtml*. A razor page/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)* Razor Pages to Generate. For example, the *Products* table for the *Northwind* database have 2 *Foreign Keys*; *CategoryID* and *SupplierID*. The generated razor pages for the *Products* table will be:

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

3.15 LISTMASTERDETAILSUBGRIDBY (DEFAULT)

When generated, the default razor page name will be *ListMasterDetailSubGridByForeignKey.cshtml*. A razor page/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)* Razor Pages to Generate. For example, the *Products* table for the *Northwind* database have 2 *Foreign Keys*; *CategoryID* and *SupplierID*. The generated razor pages for the *Products* table will be:

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

3.16 LISTMULTIPLEDELETE (DEFAULT)

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

3.17 LIST BY (DEFAULT)

When generated, the default razor page name will be *ListByForeignKey.cshtml*. A razor page/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 Razor Pages to Generate*. For example, the *Products* table for the *Northwind* database have 2 *Foreign Keys*; *CategoryID* and *SupplierID*. The generated razor pages for the *Products* table will be:

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

3.18 UNBOUND (DEFAULT)

When generated, the default razor page name will be *Unbound.cshtml*. Related to the *Unbound Razor Page "Razor Pages to Generate"*.

Note: This is the only razor page/file that is generated by the **AspCoreGen 3.0 Express Edition**. Also generated by **AspCoreGen 3.0 Professional Edition**.

4 RAZOR PAGE & RAZOR PAGE MODEL

The *Razor Page & Razor Page Model* are not listed in the *UI Settings Tab*. However, ASP.NET Razor Pages is the user interface technology generated by AspCoreGen 3.0 Razor. The *Razor Page* and the respective *Razor Page Model* is the user interface technology generated by AspCoreGen 3.0 Razor. The respective *Model* class found in the *Class Library Project* is used to supply data or used as a *Class* of properties by the *Razor Page & Razor Page Model* 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) *Razor Page & Razor Page Model, Partial Razor Page & Partial Razor Page Model*, JavaScript, CSS, JQuery, and more.
- **Middle-Tier** Class Files (Middle Layer) Business Logic Class Files, Models, etc.
- **Data-Tier** Class Files (Data Layer) 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 3.0 Razor 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 Razor Pages and Controllers.

* 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 3.0 Razor. You can read end-to-end tutorials on more subjects on using AspCoreGen 3.0 Razor 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 3.0 Razor Professional.

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

End of tutorial.