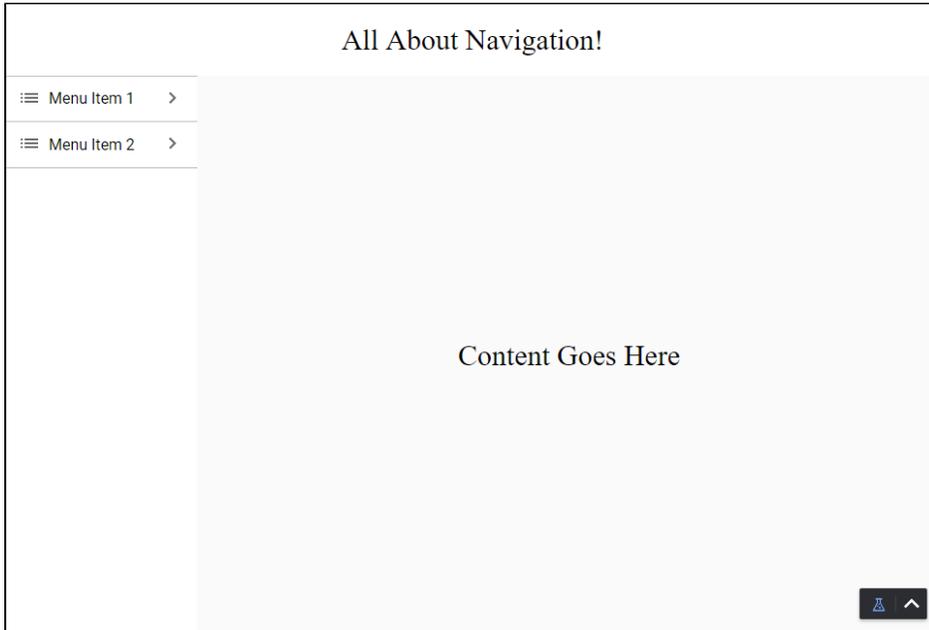


# Self-Hiding Navigation Drawer

## Navigation Drawer

A navigation drawer is a special type of docked menu, usually appearing on the left side of a session. What makes a navigation drawer special is its [responsive design](#). On smaller devices, this docked menu can hide itself and pop out when the user needs it. These drawers have become ubiquitous in User Interface (UI) design, particularly in apps.

Here's what one might look like on a computer monitor:

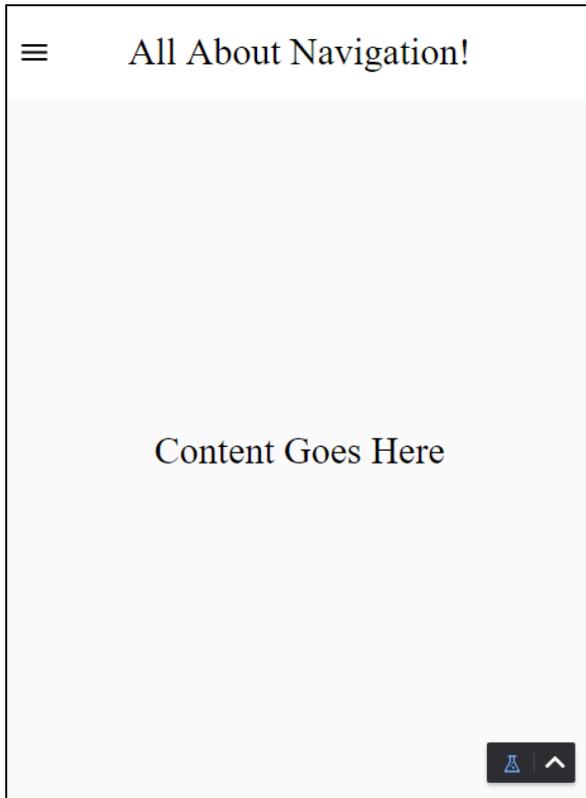


Here's what one might look like on a mobile device:

### On this page

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As the screen becomes smaller, the menu is hidden and an icon appears in the top left to allow us to toggle its visibility. This particular navigation drawer will probably need about 200 pixels horizontally, which on a desktop is fine, but on a mobile device takes up too much of the screen.

This guide assumes a bit of knowledge about how [views](#) and [components](#) work. Please see those sections of this manual for more information as needed.

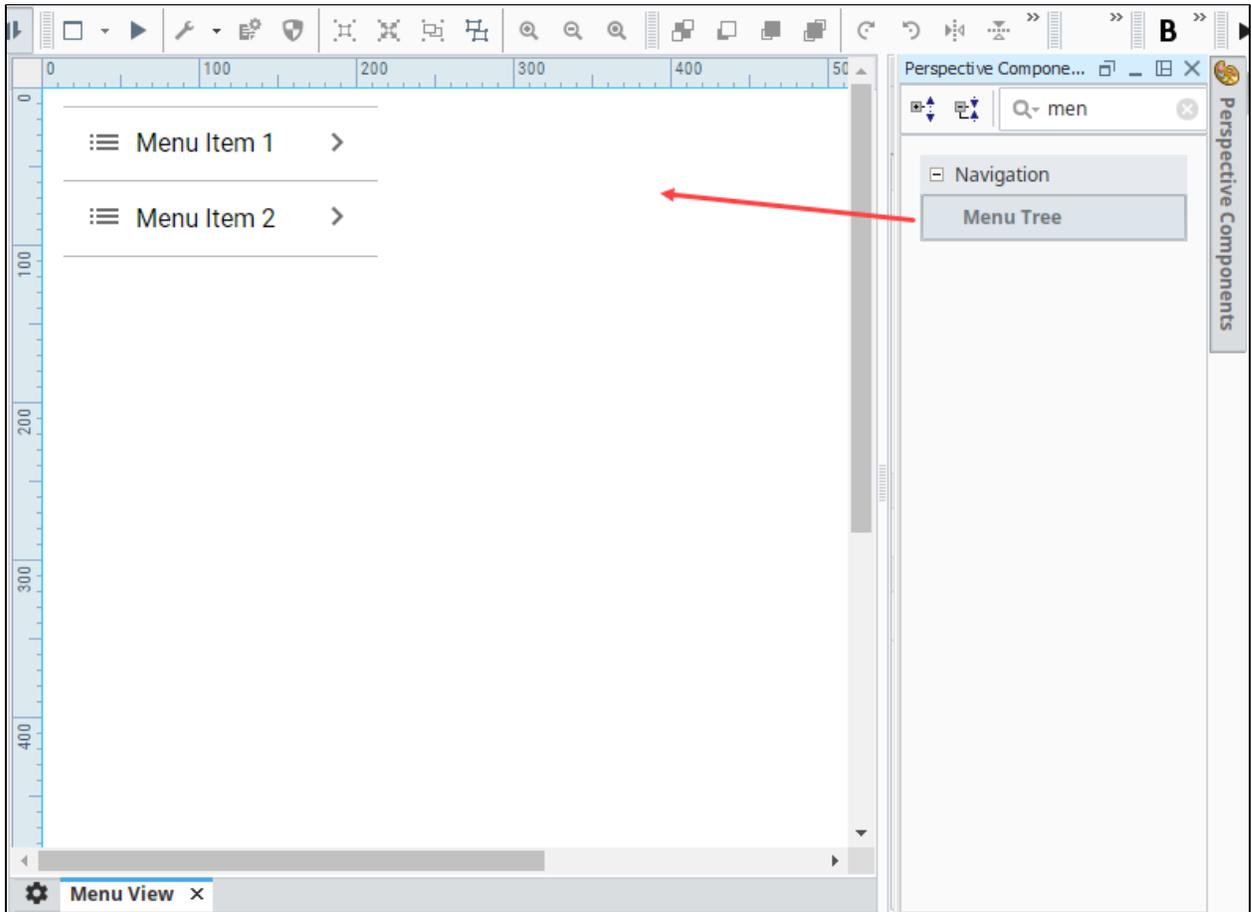
## Configuring a Navigation Drawer

The following example walks through how to configure this self-hiding navigation drawer. There is no mention of setting up the Menu Tree or any content pages, it is strictly a guide to show you the layout type.

### Navigation View

1. In the Project Browser, right click on **Views** and click **New View**.
2. Name the view **Menu View** and set the layout to **Coordinate**. This is where you'll put the navigation menu. Click **Create View**.
3. Set the width of the view to 200 pixels.
4. Drag a **MenuTree** component onto the Menu View. Configure the component as you would if you were using a standard docked view.

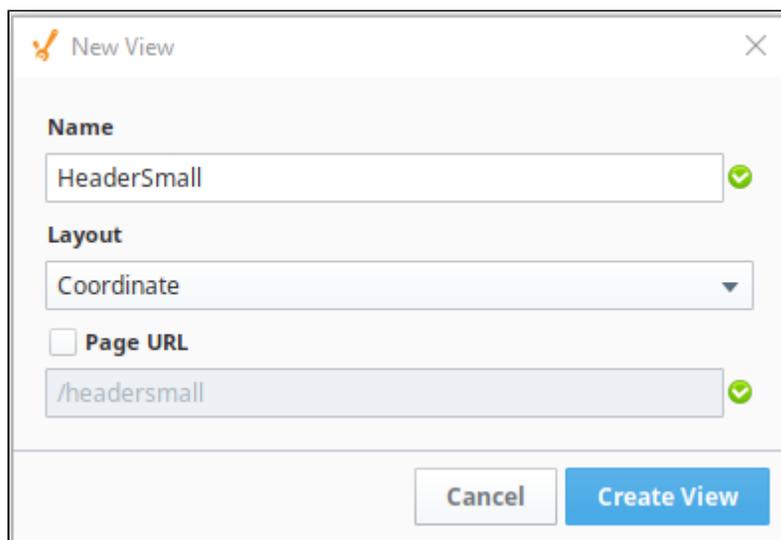
Tip: You can set the root of the Menu View to use the Percent Mode. This way it is easy to make the Menu Tree fill all the space.



## Header Views

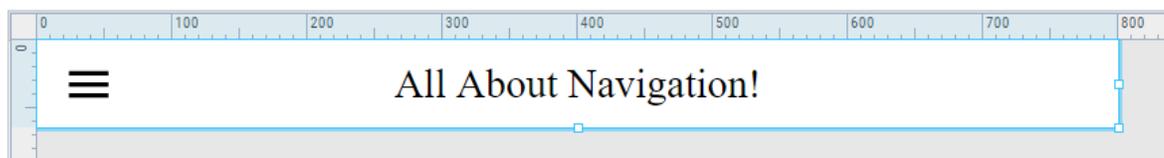
Next, we will create our header views. The two views will be setup in a **breakpoint** container, which will swap between a small header with an icon, and a big header without one.

1. Create a small header view for our mobile UI.
  - a. In the Project Browser, right click on **Views** and click **New View**.
  - b. Name the new view **HeaderSmall**, with a layout of **Coordinate**. Click **Create View**.



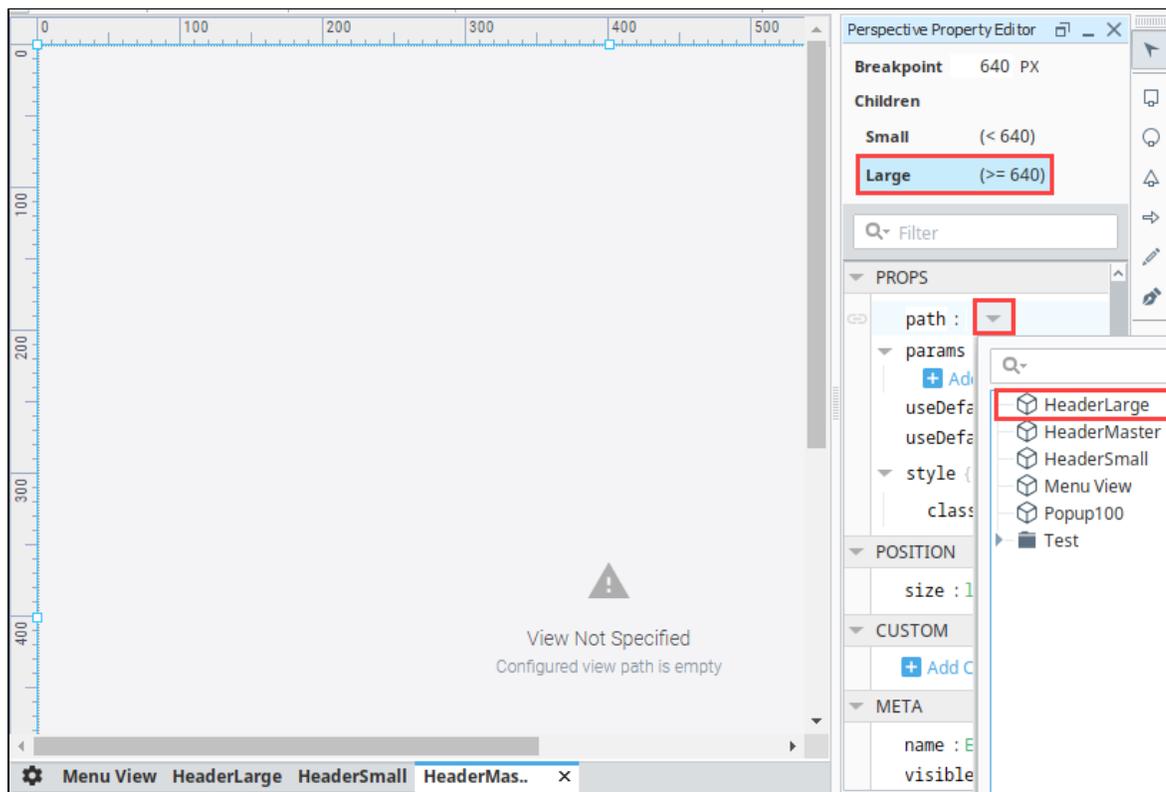
- c. Set the height of the view to 75 pixels.
- d. Drag an Icon component onto the upper left side of the view, then click on the component to select it.

- e. In the Property Editor, its **path** property to **material/menu**. You can of course use whatever icon you'd like; a list of all the icons in the material folder can be found [here](#).
- f. Add a title for the header. We used a Label component with the text "All About Navigation!"



2. Create a large header view for our desktop UI
  - a. Create another view called **HeaderLarge**, again with a layout of **Coordinate**.
  - b. Set the height to 75 pixels.
  - c. Don't add the icon to this one, but add the same Label as above.
3. Finally, create a breakpoint view to toggle between them.
  - a. Create a view called **HeaderMaster**, with a layout of **Breakpoint**.
  - b. Set the height to 75 pixels.
  - c. In the Property Editor, click on **Large** (under Children).
  - d. Drag an Embedded View component on the HeaderMaster view.
  - e. Under PROPS, click on the Expand

▼  
icon next to the **path** property then select **HeaderLarge**.



- f. Now we'll do the same for the small child of this Breakpoint container. In the Property Editor, click on **Small** (under Children).
- g. Drag an Embedded View component on the HeaderMaster view.
- h. In the Property Editor, click on the Expand

▼  
icon next to the **path** property then select **HeaderSmall**.

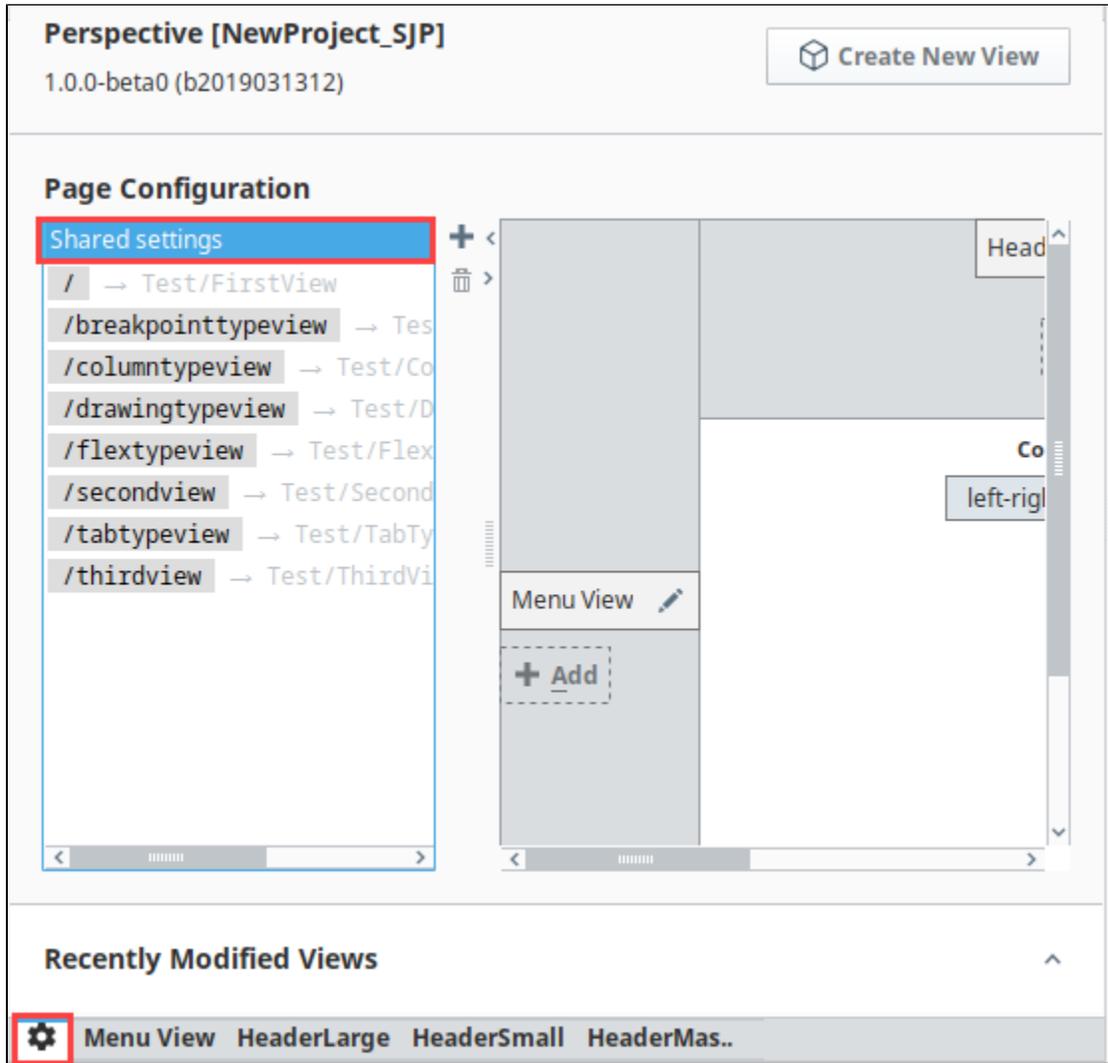
## Page Setup

Now that we have our header and menu views, we need to set up our pages to display the views properly.

1. Click on the Settings



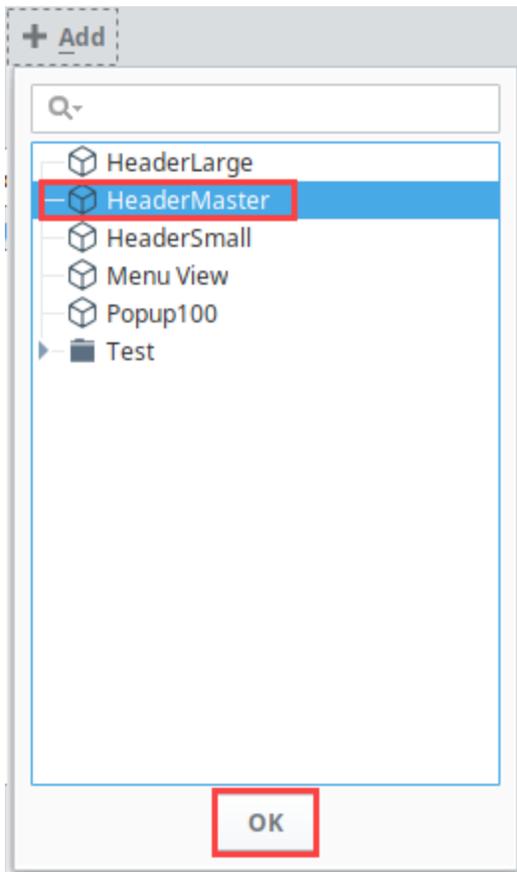
icon in the bottom left of the designer to access the Page Configuration menu. Select **Shared settings**. We're going to add our two docked views here, so they show up on every page.



2. On the top dock, click the Add



icon. Select the **HeaderMaster** view and click **OK**.



3. Click the Edit



icon next to the HeaderMaster docked view.

4. In the Configure Docked View menu, set the **size** to 75.

HeaderMaster | 

### Configure Docked View

**View**  
HeaderMaster

**Display**      **Resizable?**   **Modal?**  
visible       false    false

**Content**      **Anchor**  
push      fixed

**Size**      **Auto breakpoint**  
75      480

**Dock Id**      **Handle**  
  
hide

**Handle icon**

**View parameters**

5. On the left dock, click the Add



icon. Add the **Menu View** and set the following:

Size: **200**

Display: **Auto** (This enables us to configure a breakpoint below)

Autobreakpoint: **640** (This is the same width that the breakpoint container on the HeaderMaster view is using)

Dock Id: **menu** (This will be used in our dock action on the menu icon to toggle the menu.)

**Configure Docked View**

**View**  
Menu View

**Display** auto      **Resizable?**  false

**Content** push      **Modal?**  false

**Size** 200      **Auto breakpoint** 640

**Dock Id** menu      **Handle** hide

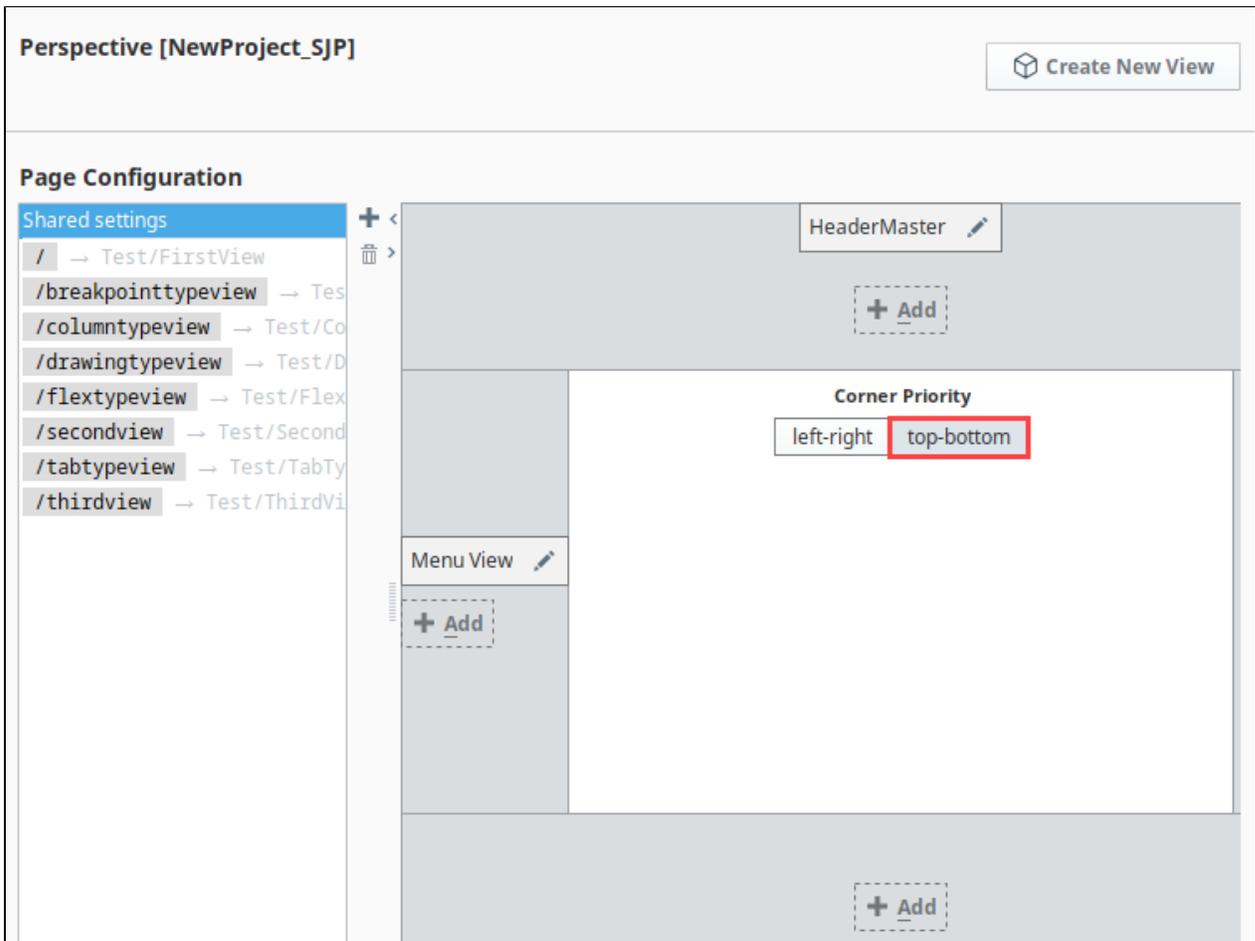
**Handle icon**

**View parameters**

+ Add Object Member...

OK      Cancel

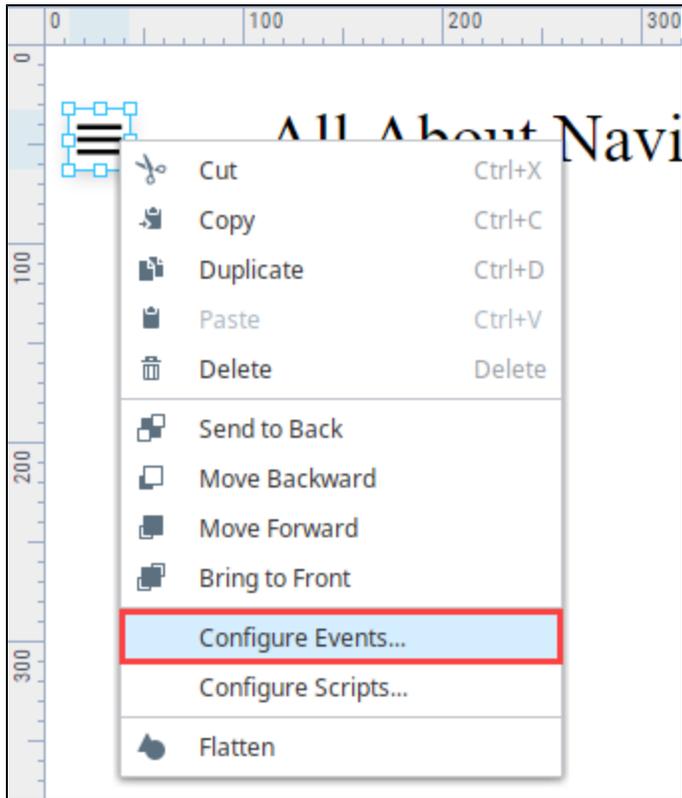
6. In the center of the Page Configuration menu, set the **Corner Priority** to **top-bottom**. The other option won't look quite right.



## Configure Menu Icon

Now we need to configure the menu icon we created on HeaderSmall to pull up **Menu View**.

1. Open the HeaderSmall View.
2. Right-click on the Icon component, and select **Configure Events...**

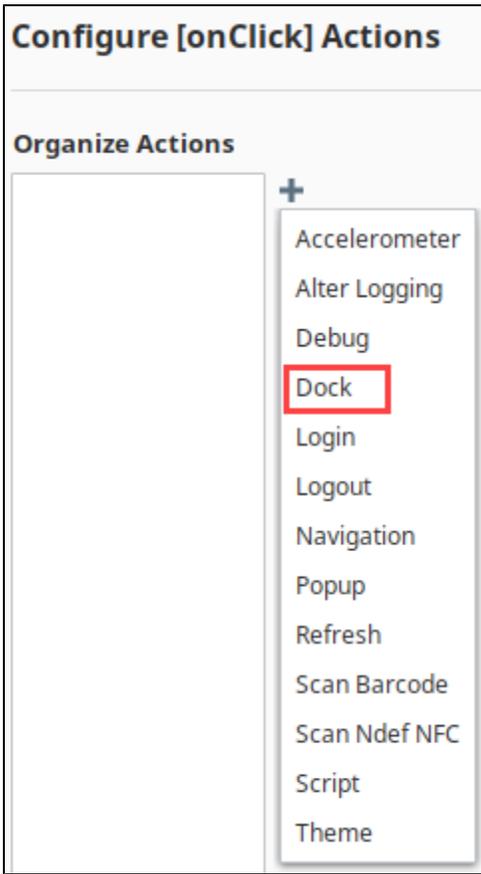


3. Under Mouse Events, select **onClick**.

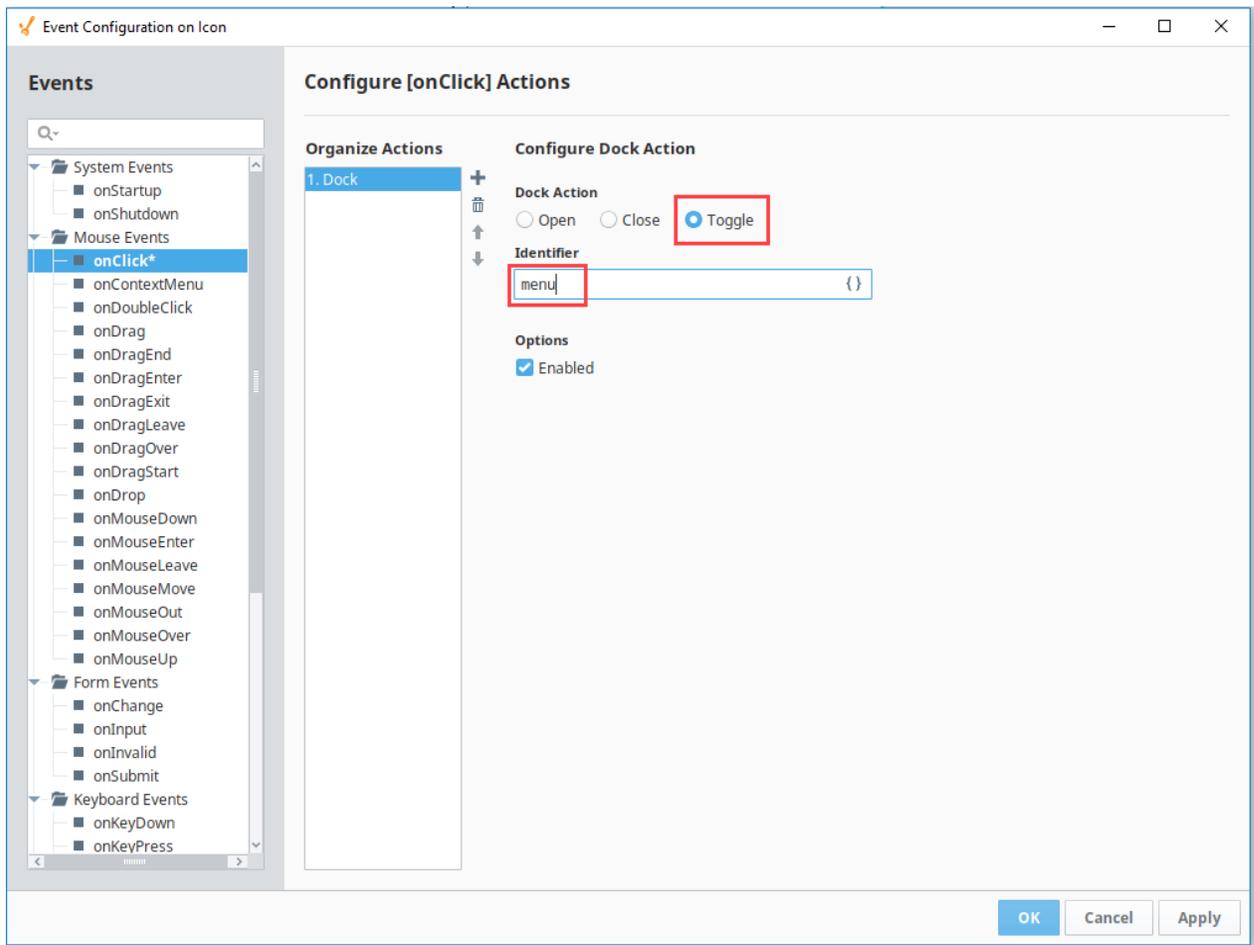
4. Next click the Add



icon to add an action. Choose a **Dock** action.



5. This action needs the identifier we created in step 9. Set the Dock Action to **Toggle**, and the Identifier to **menu**. Click **OK**.



Now go test it out! It's easiest to open a browser on your desktop and change the size to toggle between the different views. Using this strategy, you can configure a navigation drawer in combination with any basic navigation component or method.