

PUBLIC

# **SAP ANALYTICS CLOUD, ANALYTICS DESIGNER, IN ACTION**

## **ANA362**

Exercises / Solutions

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# BEFORE YOU START

Due to time constraints during the Hands-on session, it is recommended that you first take a look at the different exercises and then decide which ones you want to work through first.

## **Exercise 1: ANA362\_Exercise\_1**

Estimated Duration: **[90] minutes**

With this exercise you are going to create a simple responsive analytical application and embed it into a HTML page and run it with your mobile phone.

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## **Exercise 2: ANA362\_Exercise\_2**

Estimated Duration: **[45] minutes**

With this exercise you will be able to explore and use the Generic Template.

With this template you will have the possibility to select and modify your Data Set using the available functionalities.

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## **Exercise 3: AIN362\_Exercise\_3**

Estimated Duration: **[45] minutes**

Here you are going to create a simple feedback to ask user to enter the rating of a web page and then calculate the average score of this web page.

You are going to leverage the responsive capability of analytics designer and integration with SAC planning capability to implement this scenario.

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All the exercises are independent from each other. You can choose the exercise to work on based on your knowledge and interest.

## **Connect to Sap Analytics Cloud**

you can directly type the following address in your Google Chrome:

<https://ANA362.eu10.hcs.cloud.sap>

# ANA362 EXERCISE 3

## Overview

**Estimated time: [45] minutes**

### Objective

With this exercise we are going to create a simple feedback to ask users to enter the rating of a web page and then calculate the average score of this web page.

You are going to leverage the responsive capability of analytics designer and integration with SAC planning capability to implement this scenario.

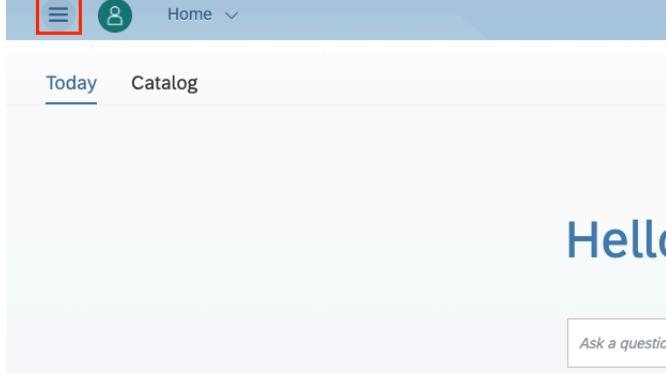
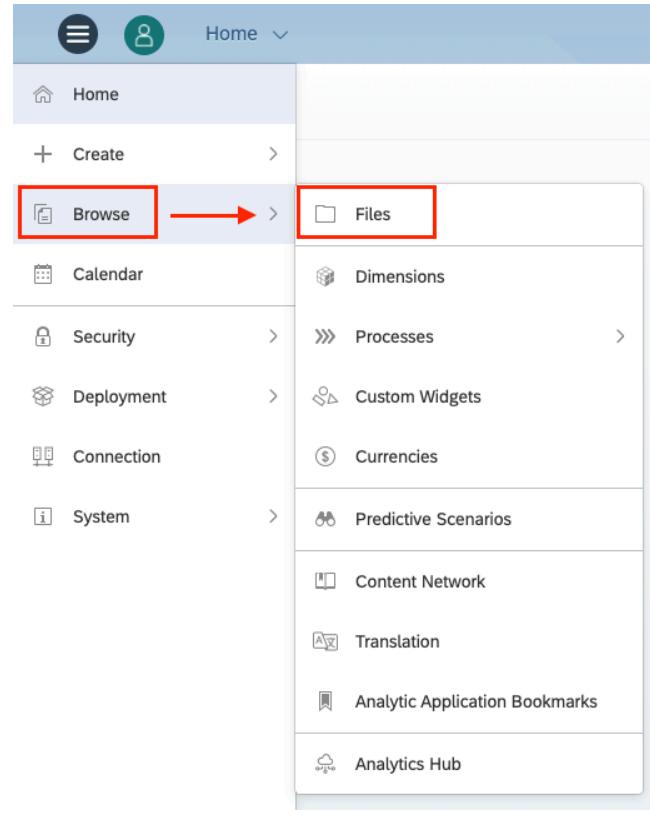
### Exercise Description

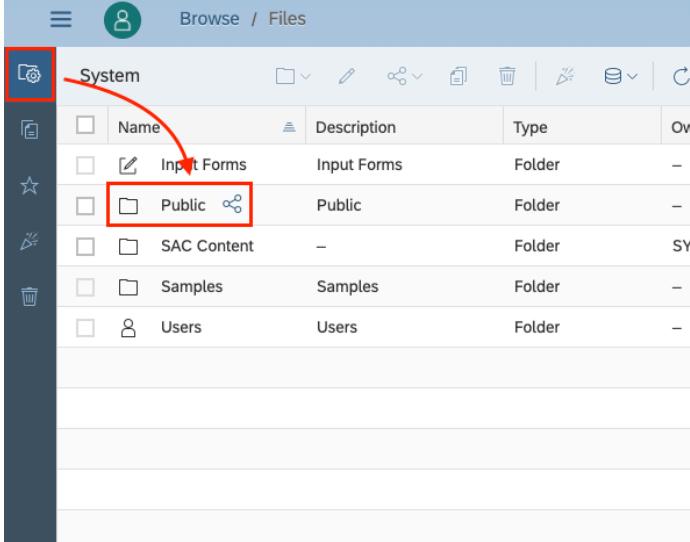
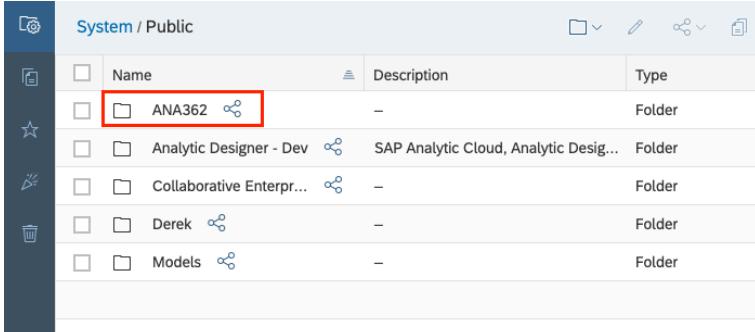
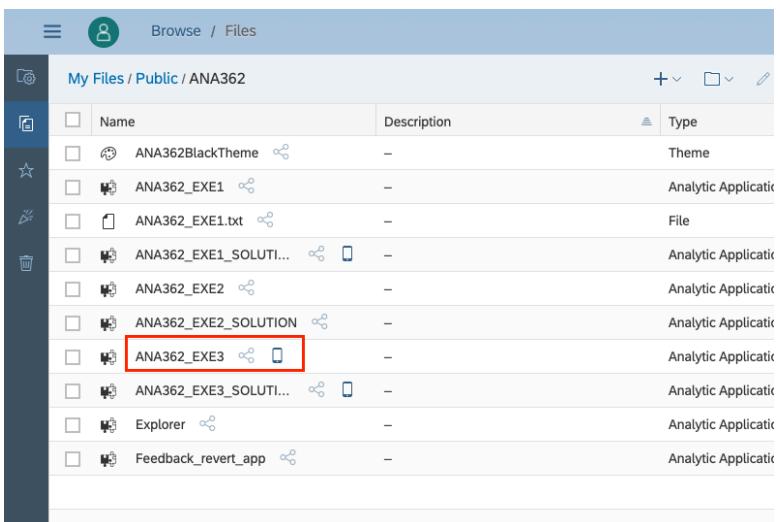
**You are going to execute the following steps within this exercise**

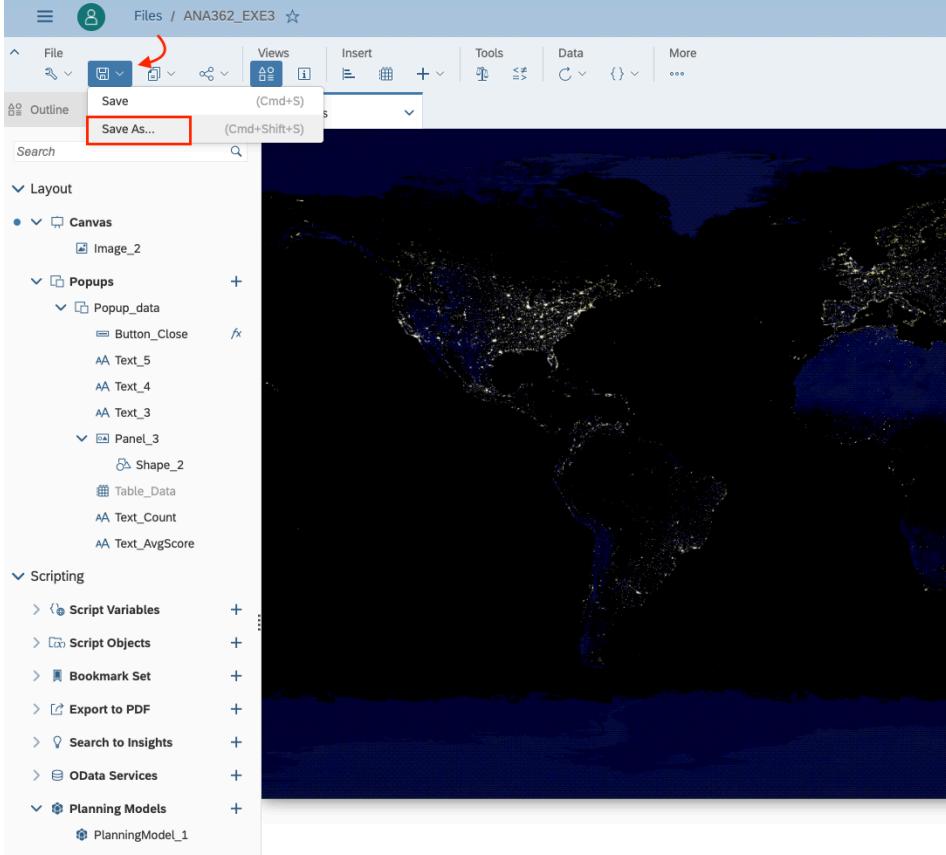
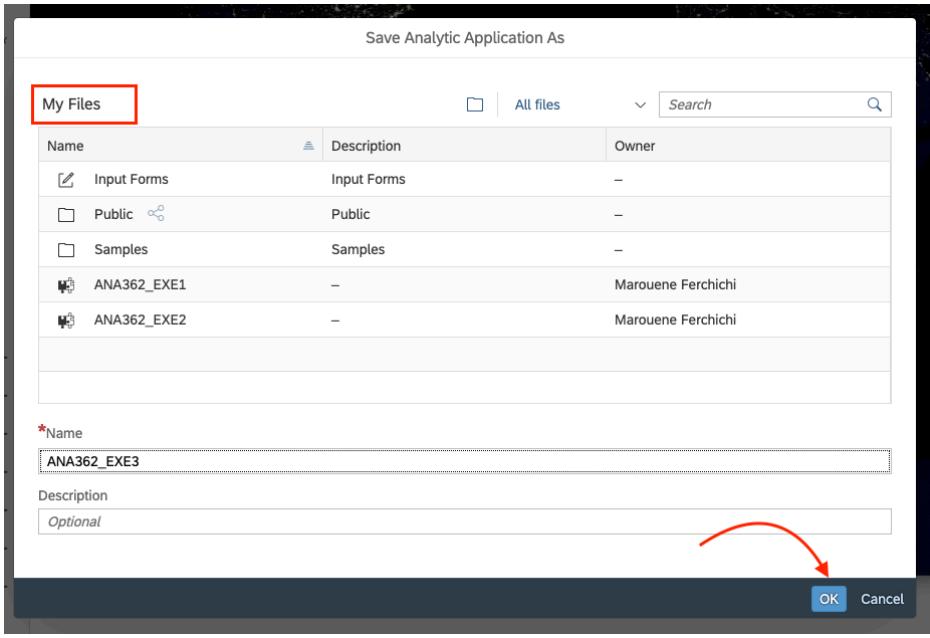
- Build a responsive application
- Create the Master data
- Enter Planning data

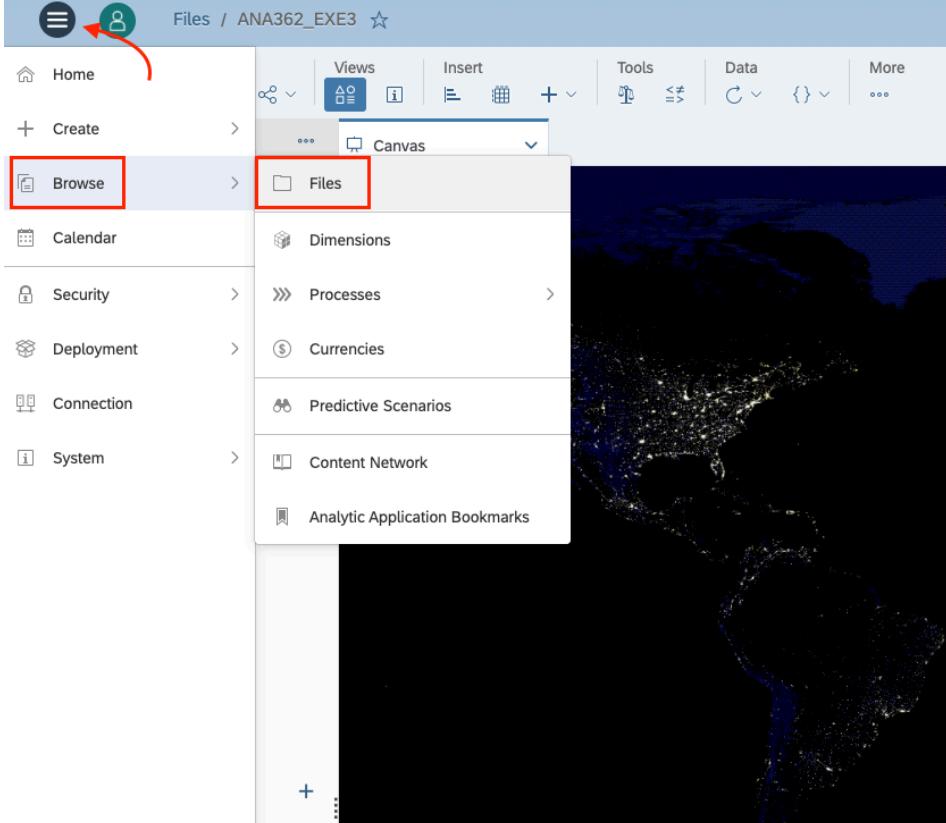
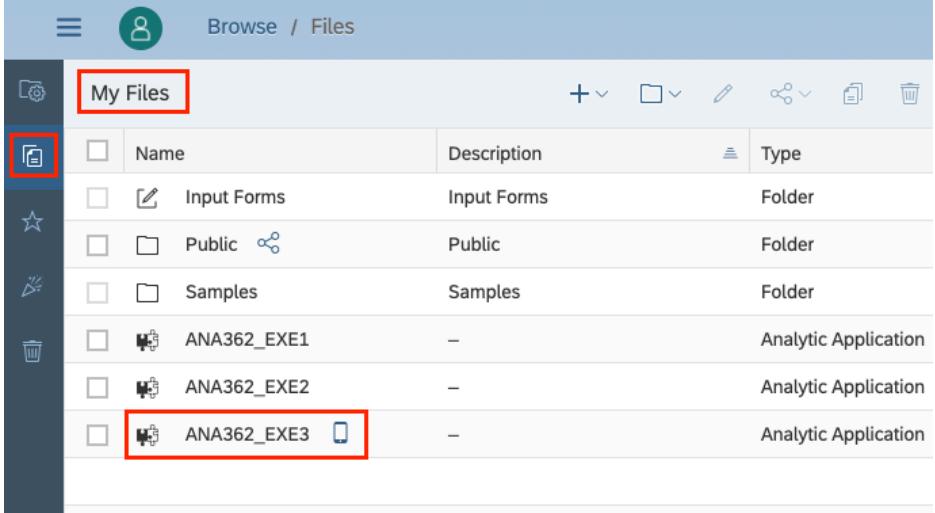
**You will start with a pre-configured application. The popup, planning table part are already configured for you. You need to add the following parts into the application**

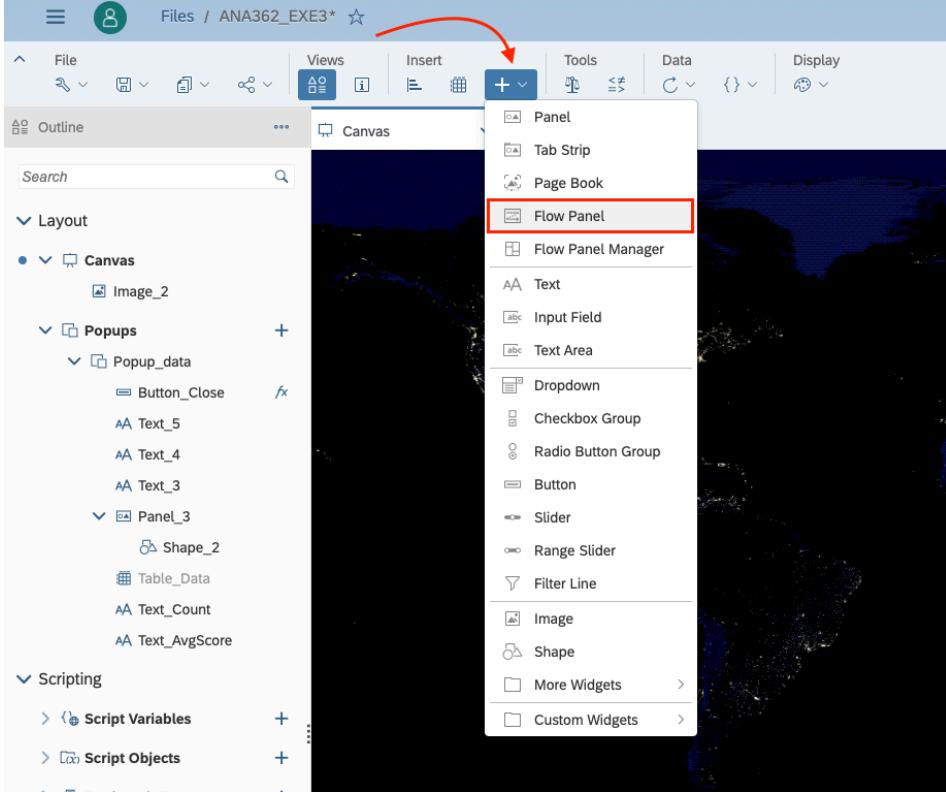
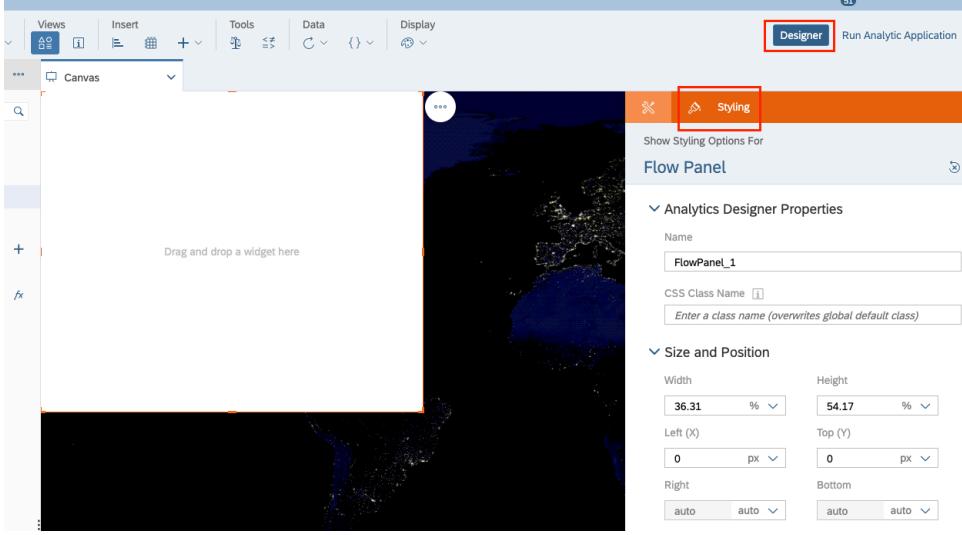
- Create flow panels (make the flow panel behaves like a feedback form):
  - adding name,
  - email,
  - telephone number,
  - rated score by using slider,
  - Comments
  - Send button
- Use the script APIs to add the logic of calculation of average score of this web page
  - Use create member API to create the master data (name, email etc.) in the planning table
  - Use setUserInput API to enter the key figure score into the planning table
  - Use script API to calculate the average score based on the count of master data and score

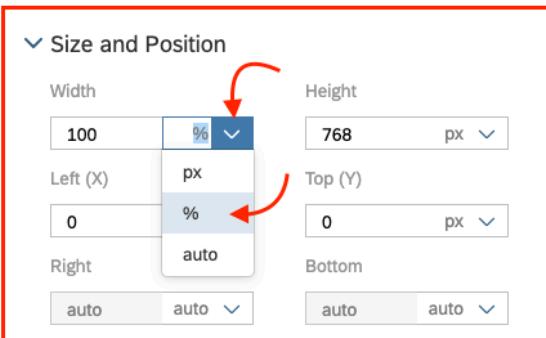
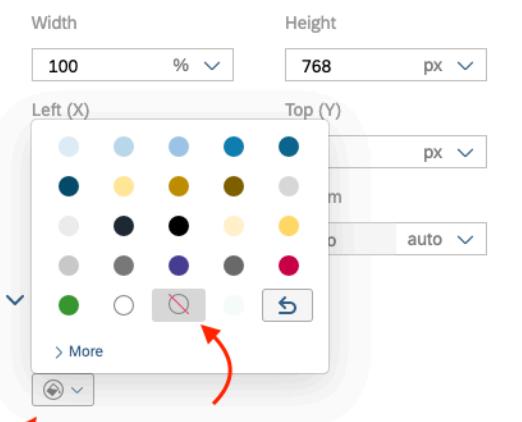
Explanation	Screenshot
1. Click on the <b>Main Menu</b> icon	
2. Select <b>Browse</b> and then <b>Files</b> to be able to select your analytical applications.	

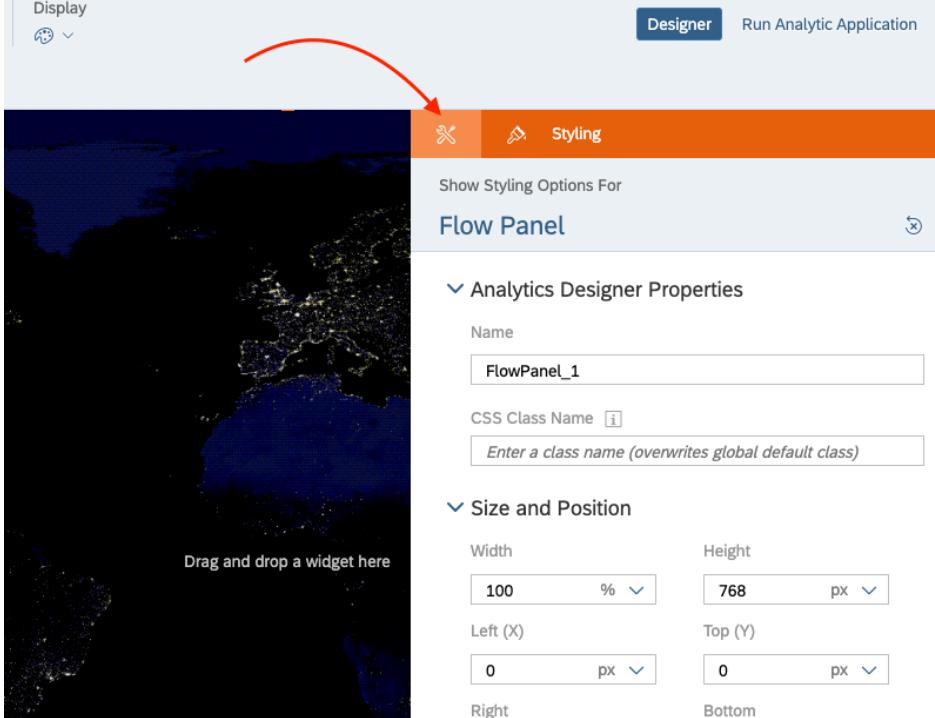
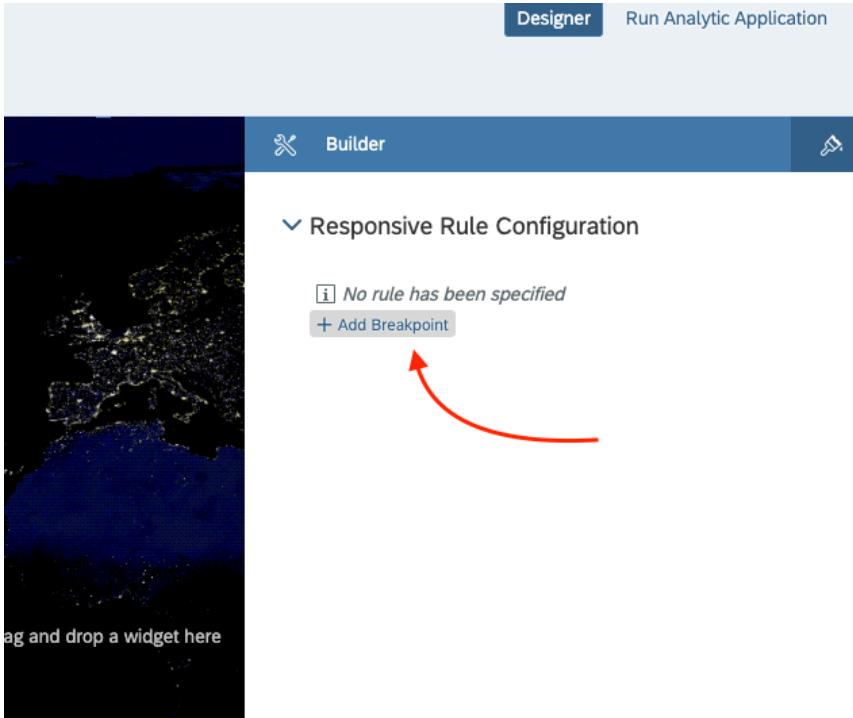
Explanation	Screenshot
<p>3. Select the icon <b>System</b>, and then open the folder <b>Public</b>.</p>	 <p>The screenshot shows the SAP Fiori Launchpad interface. On the left, there is a sidebar with icons: a person (User), a gear (System), a document (File), a star (Favorites), a lightbulb (Help), and a trash can (Delete). The 'System' icon is highlighted with a red box and has a red arrow pointing to the 'Public' folder in the main content area. The main content area displays a table titled 'Browse / Files' under the 'System' category. The table has columns for Name, Description, Type, and Owner. The 'Public' folder is listed with a checkmark in the first column, indicating it is selected.</p>
<p>4. Navigate to the folder <b>ANA362</b></p>	 <p>The screenshot shows the 'System / Public' view. The sidebar still has the 'System' icon selected. The main content area shows a table with the 'ANA362' folder highlighted with a red box. The table columns are Name, Description, and Type. The 'ANA362' folder is listed with a checkmark in the first column.</p>
<p>5. Click on the exercise <b>ANA362_EXE3</b> to open it and then you will save it with <b>My Files</b> folder.</p>	 <p>The screenshot shows the 'My Files / Public / ANA362' view. The sidebar now has the 'File' icon selected. The main content area shows a table with the 'ANA362_EXE3' file highlighted with a red box. The table columns are Name, Description, and Type. The 'ANA362_EXE3' file is listed with a checkmark in the first column.</p>

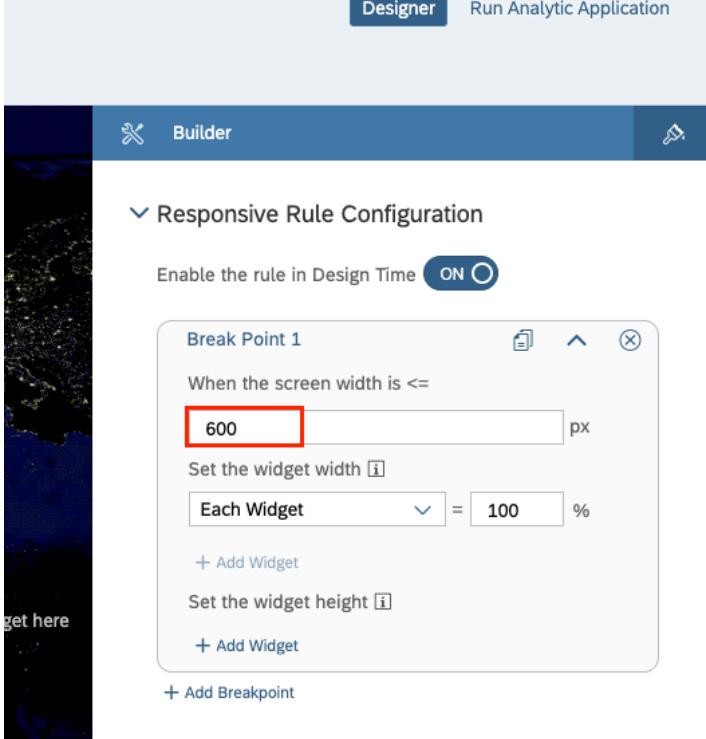
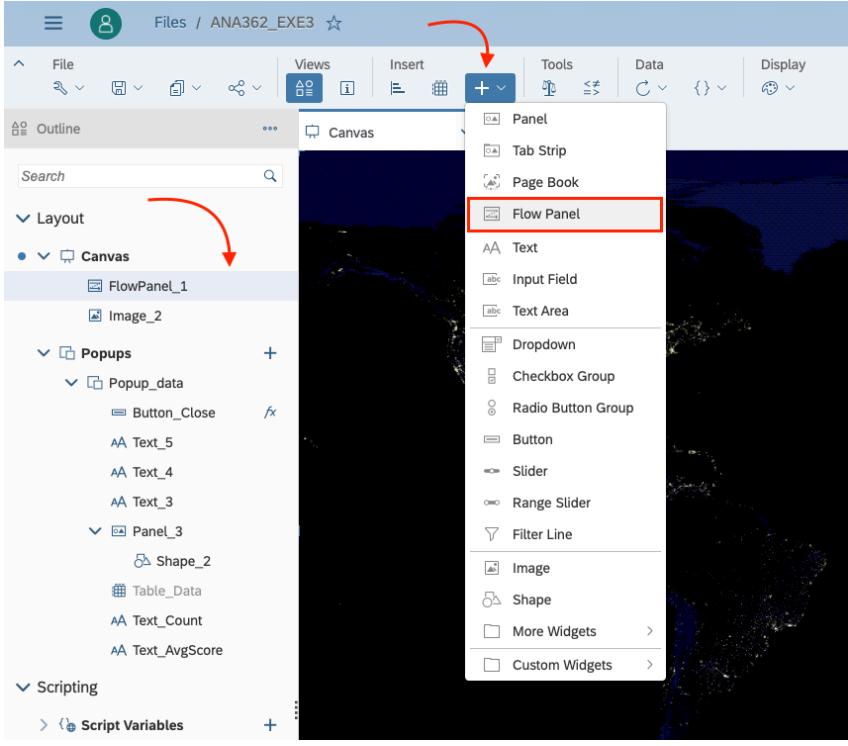
Explanation	Screenshot
<p>6. Before you start the different steps of the exercise, first of all <b>YOU SHOULD</b> save the application under <b>My Files</b> and rename it so you can work on your own application.</p> <p>Click on the <b>Save</b> icon → <b>Save As</b></p>	
<p>7. Be sure that you are under the folder <b>My Files</b>.</p> <p>Press <b>OK</b> and the application will be saved under your private folder <b>My Files</b></p>	

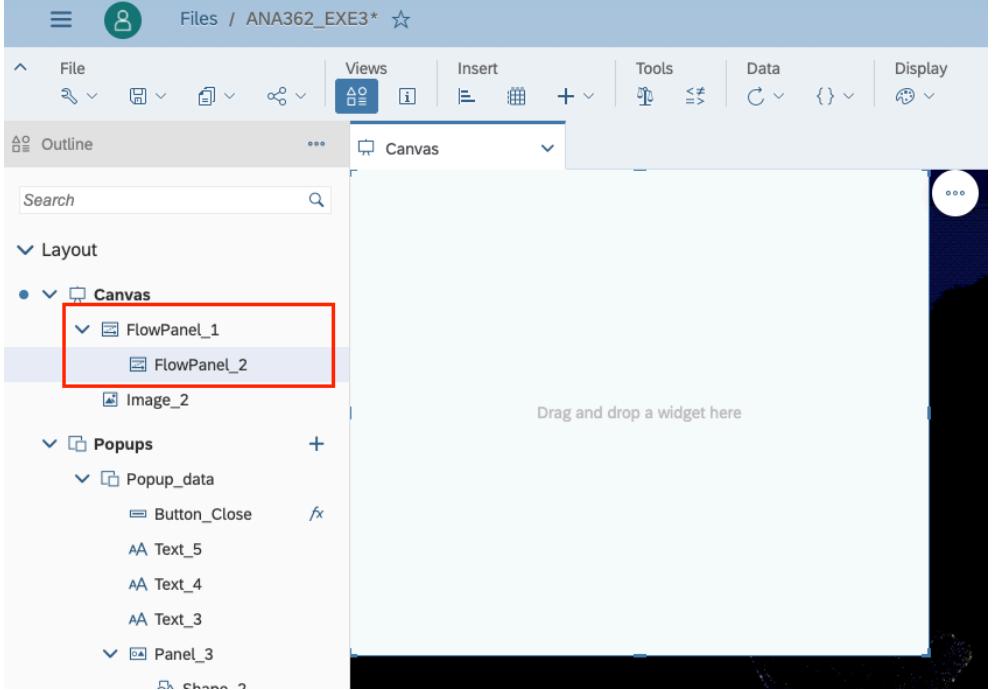
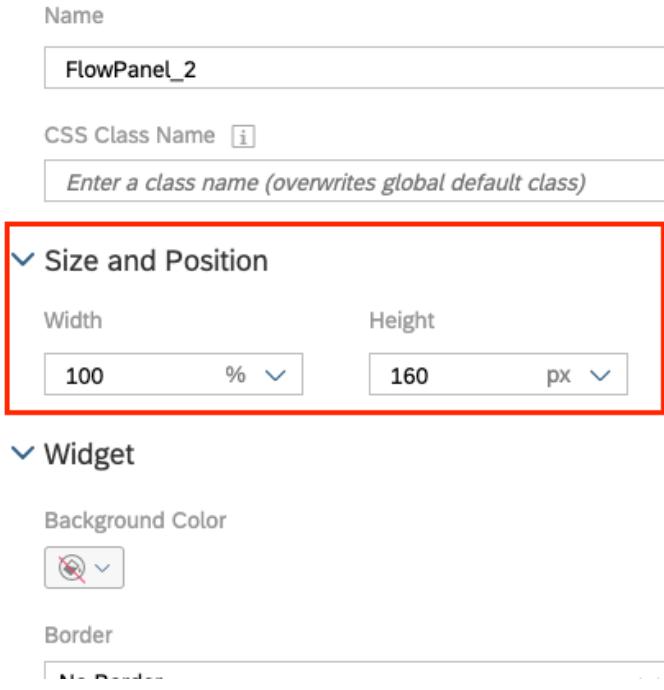
Explanation	Screenshot																					
<p>8. Now you can navigate back to <b>My Files</b> again in order to see your application.</p>																						
<p>9. Click on the exercise <b>ANA362_EXE3</b> to open it within <b>My Files</b> folder.</p>	 <table border="1"><thead><tr><th data-bbox="540 1326 638 1353">Name</th><th data-bbox="910 1326 1024 1353">Description</th><th data-bbox="1237 1326 1286 1353">Type</th></tr></thead><tbody><tr><td data-bbox="540 1374 752 1402">Input Forms</td><td data-bbox="910 1374 1024 1402">Input Forms</td><td data-bbox="1237 1374 1286 1402">Folder</td></tr><tr><td data-bbox="540 1423 752 1450">Public</td><td data-bbox="910 1423 1024 1450">Public</td><td data-bbox="1237 1423 1286 1450">Folder</td></tr><tr><td data-bbox="540 1472 752 1499">Samples</td><td data-bbox="910 1472 1024 1499">Samples</td><td data-bbox="1237 1472 1286 1499">Folder</td></tr><tr><td data-bbox="540 1520 752 1548">ANA362_EXE1</td><td data-bbox="910 1520 1024 1548">-</td><td data-bbox="1237 1520 1400 1548">Analytic Application</td></tr><tr><td data-bbox="540 1569 752 1596">ANA362_EXE2</td><td data-bbox="910 1569 1024 1596">-</td><td data-bbox="1237 1569 1400 1596">Analytic Application</td></tr><tr><td data-bbox="540 1617 752 1645">ANA362_EXE3</td><td data-bbox="910 1617 1024 1645">-</td><td data-bbox="1237 1617 1400 1645">Analytic Application</td></tr></tbody></table>	Name	Description	Type	Input Forms	Input Forms	Folder	Public	Public	Folder	Samples	Samples	Folder	ANA362_EXE1	-	Analytic Application	ANA362_EXE2	-	Analytic Application	ANA362_EXE3	-	Analytic Application
Name	Description	Type																				
Input Forms	Input Forms	Folder																				
Public	Public	Folder																				
Samples	Samples	Folder																				
ANA362_EXE1	-	Analytic Application																				
ANA362_EXE2	-	Analytic Application																				
ANA362_EXE3	-	Analytic Application																				

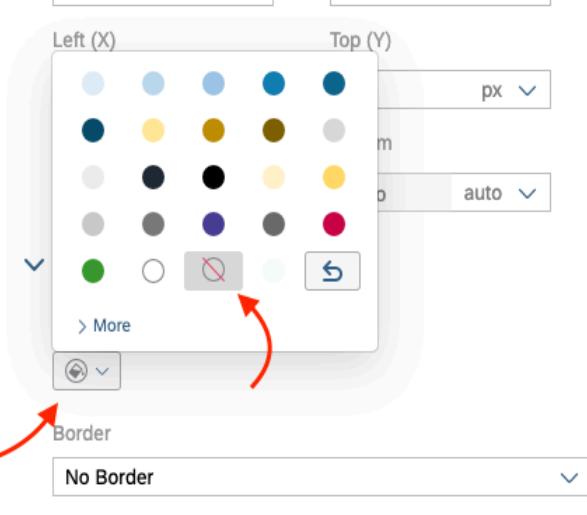
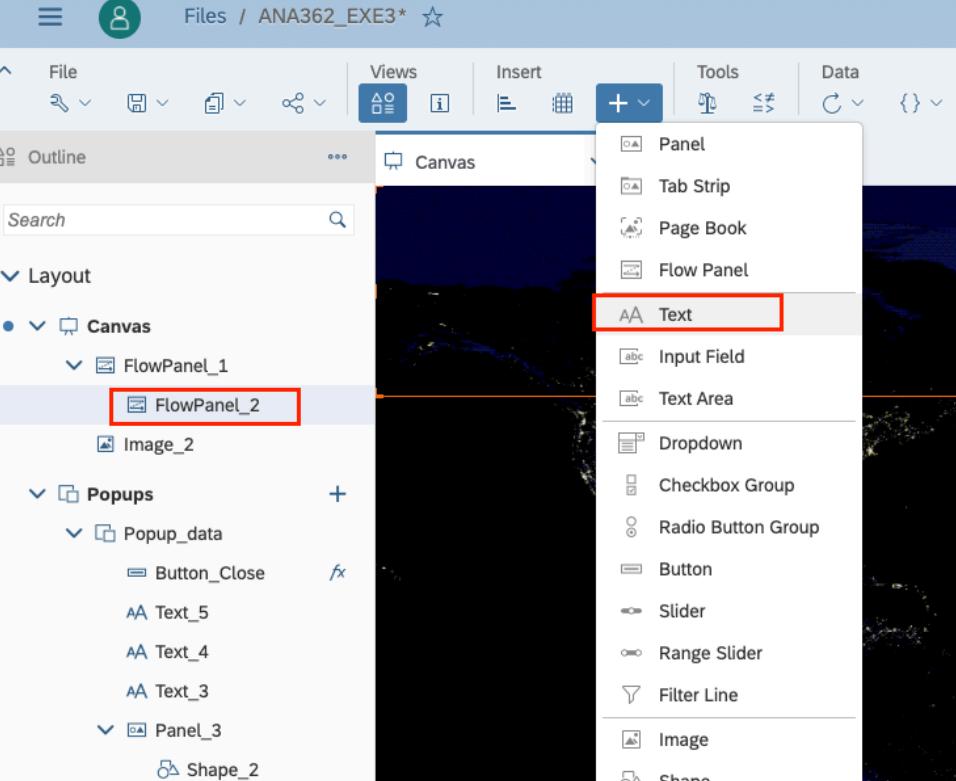
Explanation	Screenshot
<p>10. Let's start by adding the first <b>Flow_Panel</b></p> <p>Under the Insert tool bar, press the + sign and select <b>Flow Panel</b></p>	
<p>11. Let's configure the Style of the first <b>Flow Panel</b>.</p> <p>Select the Flow Panel and open the <b>Designer</b> Panel.</p>	

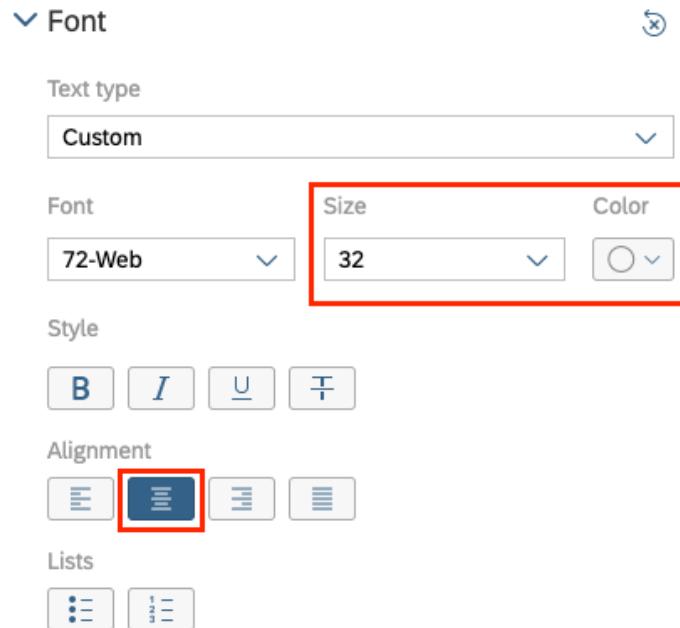
Explanation	Screenshot
<p>12. Change the <b>Width</b> and the <b>Height</b> as shown in the Screenshot.</p> <p>Width: <b>100%</b> Height:<b>768px</b></p>	 <p><b>Size and Position</b></p> <p>Width: 100 %</p> <p>Height: 768 px</p> <p>Left (X): 0 px</p> <p>Top (Y): 0 px</p> <p>Right: auto</p> <p>Bottom: auto</p>
<p>13. As next change the <b>Background Color</b> of the Flow Panel to <b>Transparent</b></p>	 <p>Width: 100 %</p> <p>Height: 768 px</p> <p>Left (X):</p> <p>Top (Y):</p> <p>Background Color:</p> <p>Border: No Border</p>

Explanation	Screenshot
<p>14. Toggle the <b>Builder</b> Panel in order to set the <b>responsive rule</b> of the Flow Panel</p>	 <p>The screenshot shows the 'Designer' tab selected at the top right. Below it, the 'Display' tab is active. The main area contains a map of Europe with city lights. A placeholder text 'Drag and drop a widget here' is visible. On the right, the 'Builder' panel is open, showing 'Analytics Designer Properties' with a name 'FlowPanel_1' and a CSS class input field. It also shows 'Size and Position' settings for width (100%), height (768px), left (0px), top (0px), right, and bottom.</p>
<p>15. As next let's add a Breakpoint by clicking + Add Breakpoint</p>	 <p>The screenshot shows the 'Builder' tab selected at the top right. The main area contains the same map and placeholder text as the previous screenshot. The 'Builder' panel now shows the 'Responsive Rule Configuration' section with a message 'No rule has been specified' and a button '+ Add Breakpoint'. A red arrow points from this button towards the 'Builder' tab in the top navigation bar.</p>

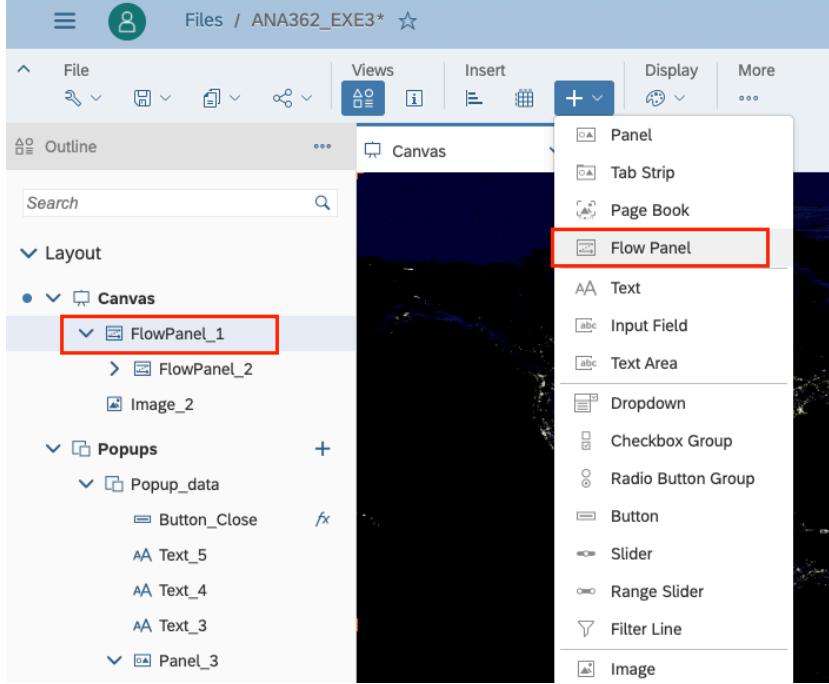
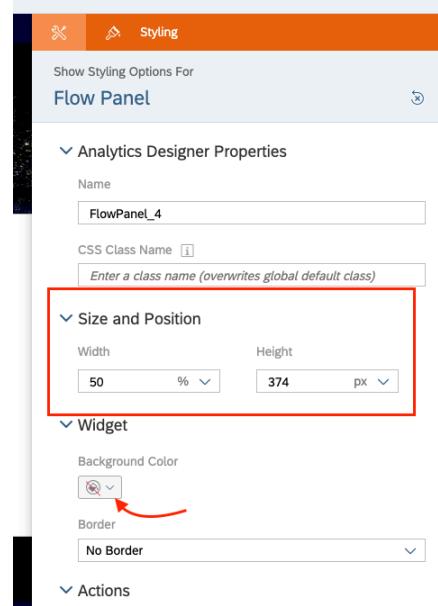
Explanation	Screenshot
<p>16. Set the Break Point 1 to <b>600</b> as shown in the screenshot.</p>	 <p>The screenshot shows the 'Responsive Rule Configuration' dialog in the Designer. It has a 'Break Point 1' section. Under 'When the screen width is &lt;=' there is a field containing '600' which is highlighted with a red box. Below it, under 'Set the widget width' there is a dropdown 'Each Widget' followed by '= 100 %'. There are also '+ Add Widget' and '+ Add Breakpoint' buttons.</p>
<p>17. As next we will add a second Flow Panel <b>under</b> the first one.</p> <p>For that select the first Flow Panel and then Click the (+) and add the second flow panel.</p>	 <p>The screenshot shows the Builder interface. In the top bar, 'Builder' is selected. The 'Insert' menu is open, showing various widget options like Panel, Tab Strip, Page Book, and Flow Panel. The 'Flow Panel' option is highlighted with a red box. On the left, the 'Outline' panel shows a tree structure with 'FlowPanel_1' and 'Image_2' under 'Canvas', and other components like 'Popup_data', 'Panel_3', and 'Scripting' below.</p>

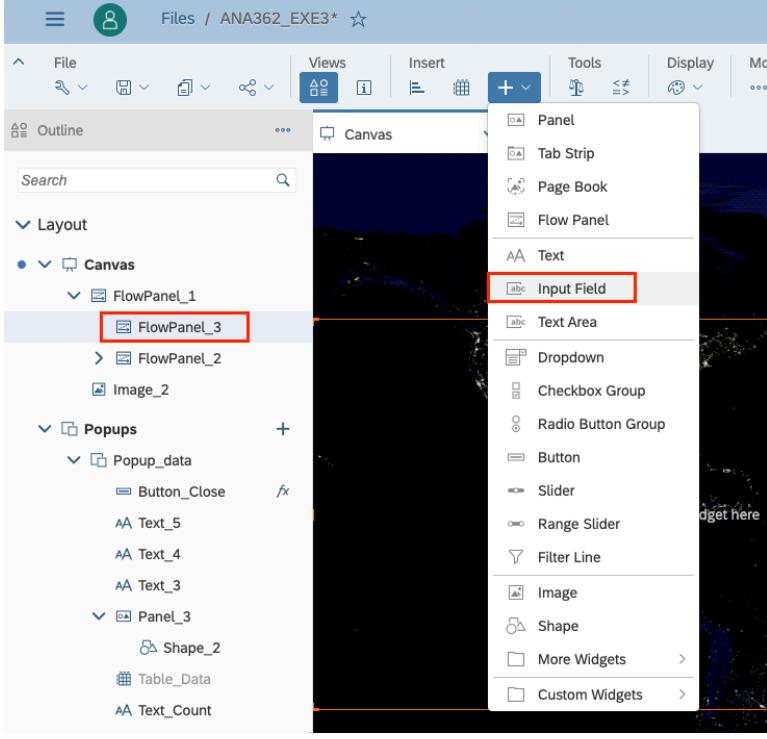
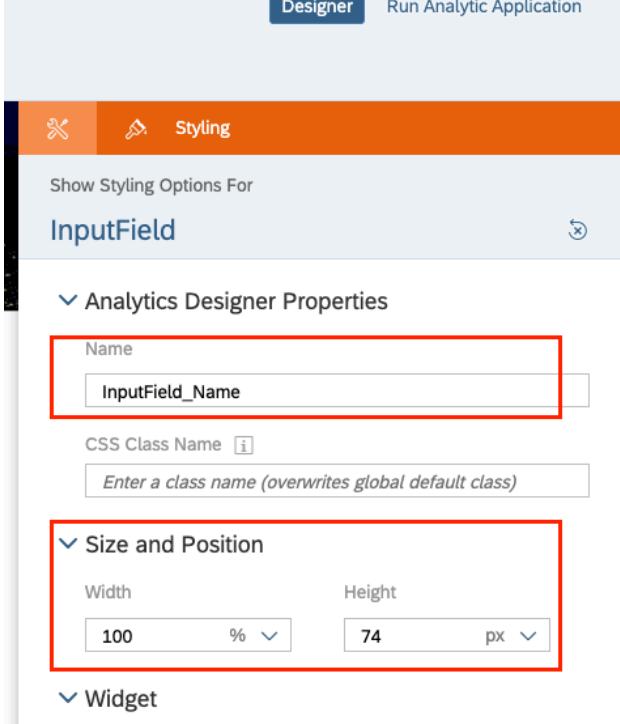
Explanation	Screenshot
<p>18. As shown the second flow panel was added under the first one.</p> <p>Let's now configure the layout, by opening the designer panel → Styling (Check Step 11)</p>	 <p>The screenshot shows the Designer panel interface. On the left is the Outline panel, which lists the components in the canvas. Under the 'Canvas' category, 'FlowPanel_1' is expanded, showing 'FlowPanel_2' as a child node. Both 'FlowPanel_1' and 'FlowPanel_2' are highlighted with a red box. To the right is the main workspace, labeled 'Canvas', with a message 'Drag and drop a widget here'. The top navigation bar includes File, Views, Insert, Tools, Data, and Display tabs.</p>
<p>19. Change the <b>Width</b> and the <b>Height</b> as shown in the Screenshot.</p> <p>Width: <b>100%</b> Height:<b>160px</b></p>	 <p>The screenshot shows the Styling panel for the selected component. It includes fields for Name (FlowPanel_2), CSS Class Name, and Size and Position settings. The 'Size and Position' section is highlighted with a red box. Within this section, the 'Width' field is set to '100%' and the 'Height' field is set to '160px'.</p>

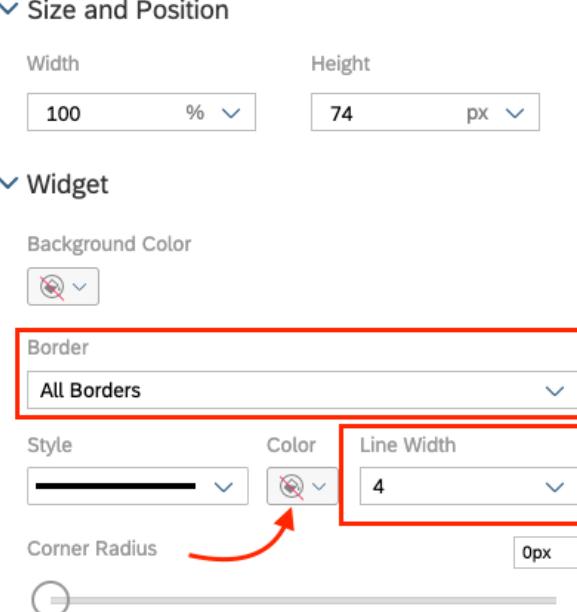
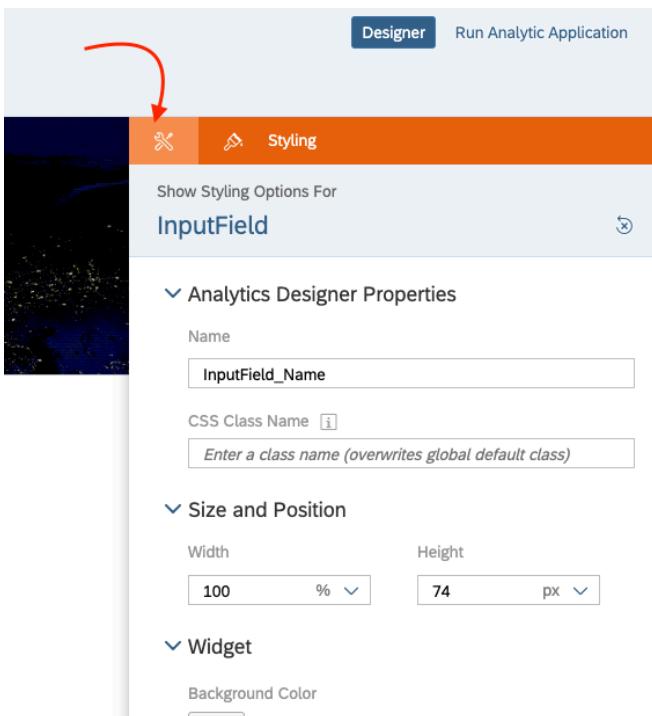
Explanation	Screenshot
20. As next change the <b>Background Color</b> of the Flow Panel to <b>Transparent</b>	 <p>The screenshot shows the 'Border' settings for a flow panel. A red arrow points to the 'No Border' dropdown menu, indicating where to click to change the background color.</p>
21. Now we will add a <b>Text</b> Widget under the second Flow Panel	 <p>The screenshot shows the 'Insert' menu open, with the 'Text' option highlighted by a red box. This indicates the next step is to insert a text widget into the second flow panel.</p>

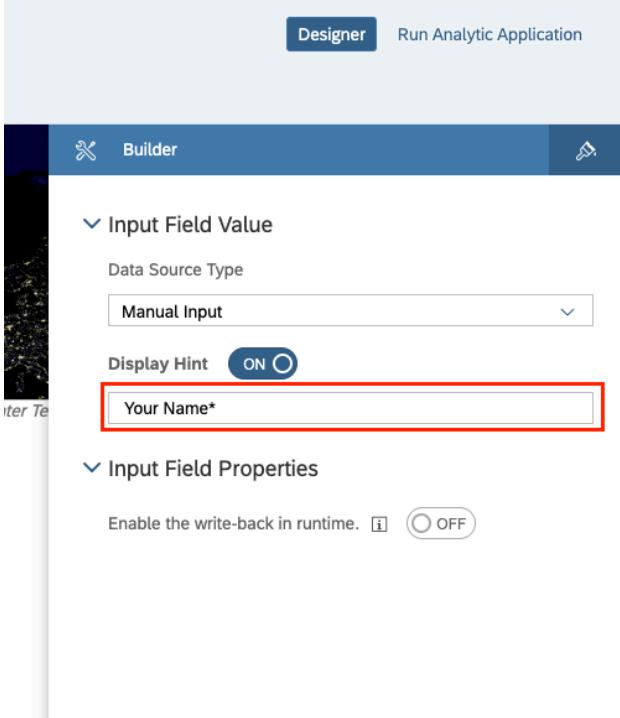
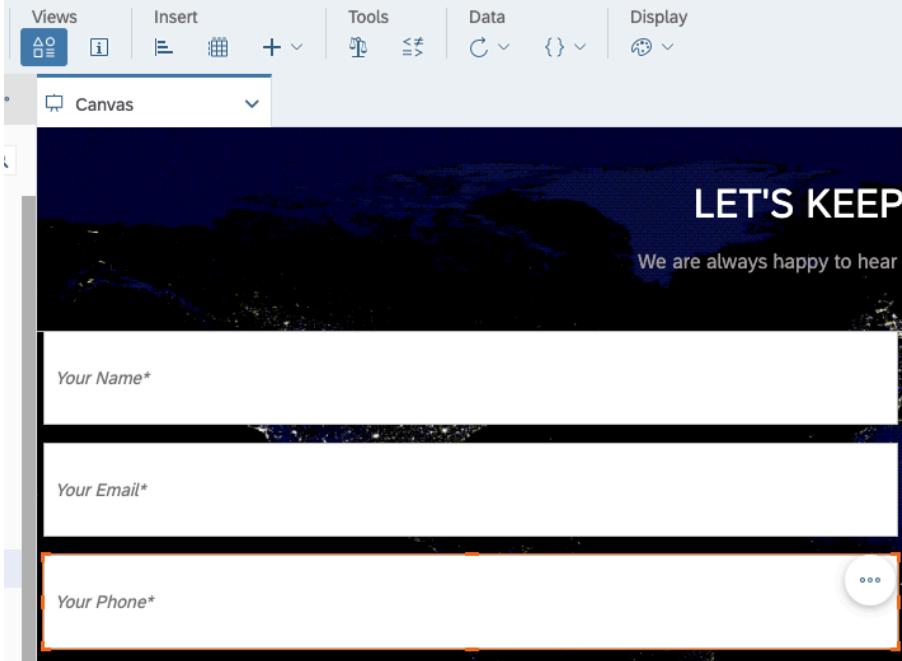
Explanation	Screenshot
<p>22. Let's now configure the layout, by opening the designer panel → Styling (Check Step 11)</p> <p>23. Change the <b>Width</b> and the <b>Height</b> as shown in the Screenshot.</p> <p>Width: <b>100%</b> Height:<b>160px</b></p>	 <p>Size and Position</p> <p>Width: 100% Height: 160px</p> <p>Widget</p> <p>Background Color: None</p>
<p>24. <b>DOUBLE CLICK</b> inside the Text Widget in order to Style the Font.</p> <p>25. From the same styling panel, lets change the font size to <b>32</b> and the color to white and the alignment to the Middle. As shown in the screenshot.</p>	 <p>Font</p> <p>Text type: Custom</p> <p>Font: 72-Web</p> <p>Size: 32</p> <p>Color: White</p> <p>Style: B I U T</p> <p>Alignment: Middle (highlighted)</p> <p>Lists:</p> <p>Dynamic Text</p>

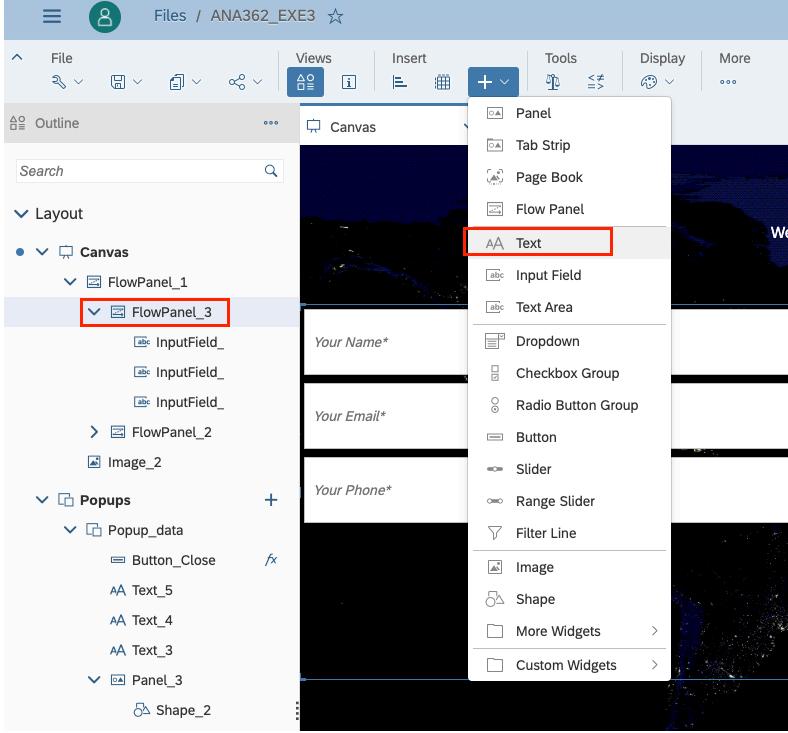
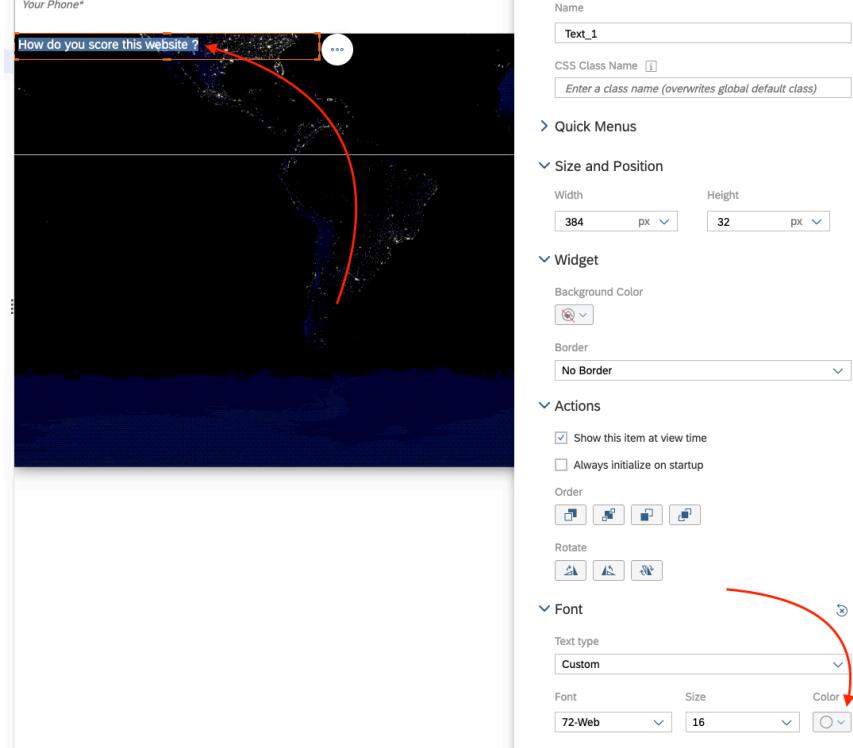
Explanation	Screenshot
<p>26. Write as a Title: <b>LET'S KEEP IN TOUCH!</b></p> <p>And as a Subtitle:</p> <p><b>We are always happy to hear feedback and answer queries.</b></p>	<p>The screenshot shows a dashboard with a world map background. In the top-left corner, there is a callout box with a blue header containing the text 'LET'S KEEP IN TOUCH!'. Below the header, the subtitle 'We are always happy to hear feedback and answer queries.' is displayed. To the right of the map, there is a sidebar titled 'Styling' with various configuration options for the callout box, such as Size and Position, Widget, Actions, and Font settings.</p>
<p>27. Let's change the font size of the Subtitle to <b>16</b></p>	<p>The screenshot shows the same dashboard setup as the previous one, but the subtitle 'We are always happy to hear feedback and answer queries.' now has a font size of 16. The red arrow from the previous screenshot points to this one, highlighting the change in the subtitle's font size.</p>

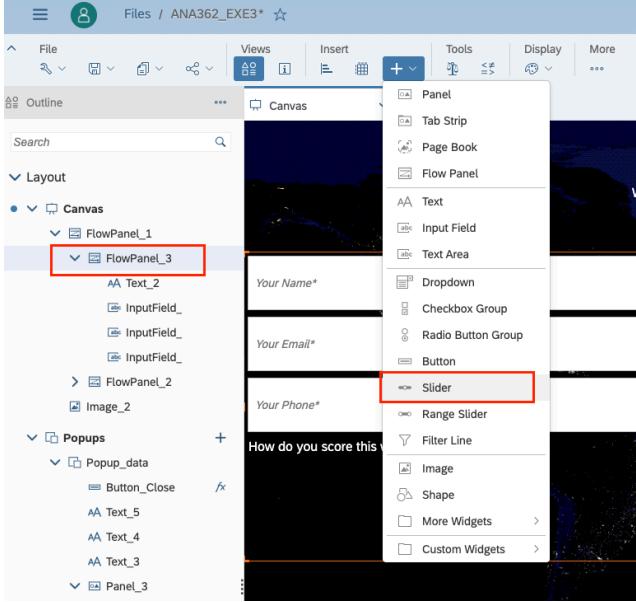
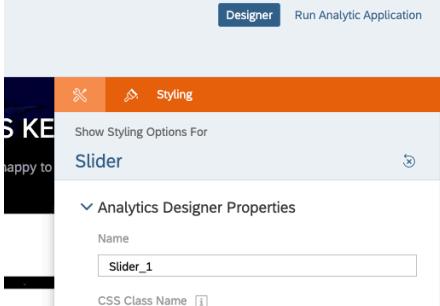
Explanation	Screenshot
<p>28. As next, select the first Flow Panel in order to add a third Flow Panel</p>	
<p>29. Let's now configure the layout, by opening the designer panel → Styling (Check Step 11)</p> <p>30. Change the <b>Width</b> and the <b>Height</b> as shown in the Screenshot. Width: <b>50%</b> Height: <b>374px</b></p> <p>31. change the <b>Background Color</b> of the Panel to <b>Transparent</b> (Check Step 20)</p>	

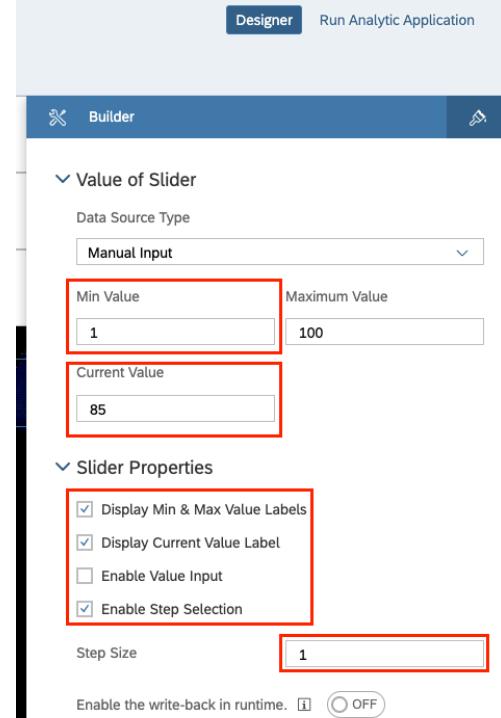
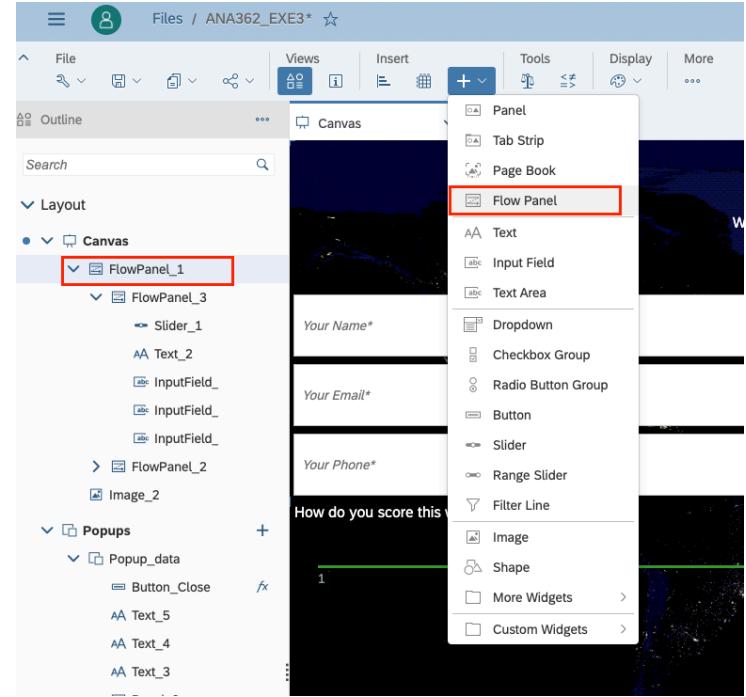
Explanation	Screenshot
<p>32. As next let's add 3 <b>Input Filed</b> (Name, Email, Phone) under the Third Flow Panel</p> <p>Select the Third Flow Panel and press the (+) sign.</p>	 <p>The screenshot shows the 'Insert' menu open, with 'Input Field' highlighted and surrounded by a red box. The 'Outline' panel on the left shows a tree structure with 'FlowPanel_3' selected, also highlighted with a red box. The 'Canvas' panel on the right shows a dark background with some UI elements.</p>
<p>33. Let's now configure the layout of the input field, by opening the designer panel → Styling (Check Step 11)</p> <p>34. Change the name to <b>InputField_Name</b></p> <p>35. Change the <b>Width</b> and the <b>Height</b> as shown in the Screenshot. Width: <b>100%</b> Height:<b>74px</b></p>	 <p>The screenshot shows the 'Styling' panel open for an 'InputField' component. The 'Name' field contains 'InputField_Name' and the 'Width' and 'Height' fields are set to '100%' and '74px' respectively, both highlighted with red boxes.</p>

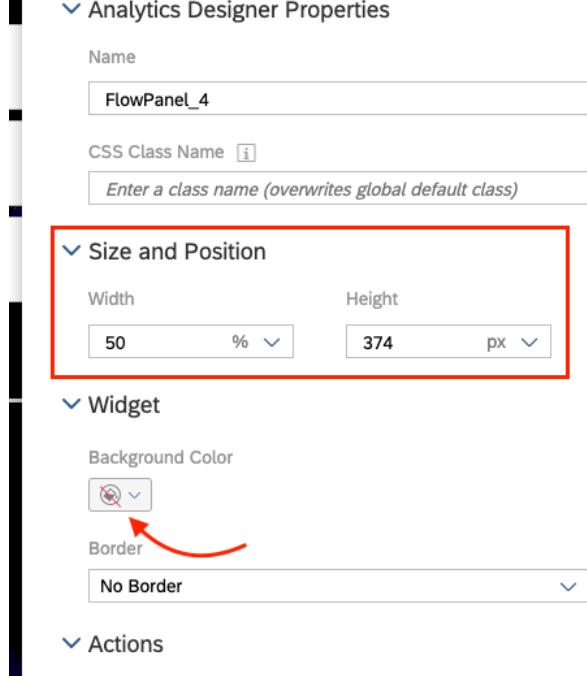
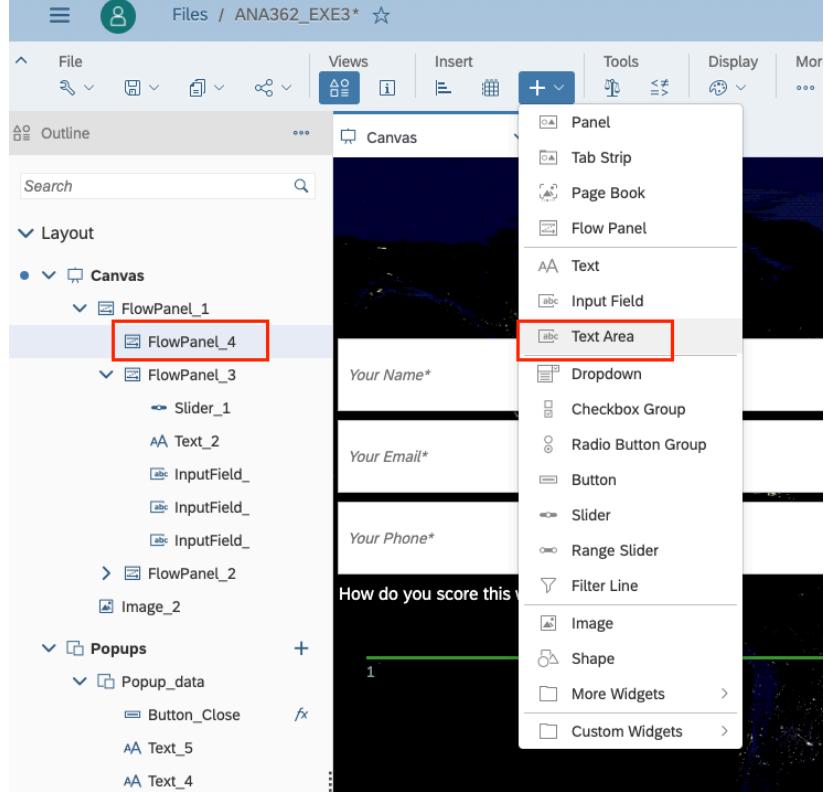
Explanation	Screenshot
<p>36. For better presentation of the <b>Input Field</b>, and in order to have some space between the widgets, select <b>All Borders</b> from the Border list box, a <b>transparent</b> color for the Borders, and a Line <b>Width =4</b></p>	
<p>37. Toggle the <b>builder</b> Panel in order to change the display name of the input field</p>	

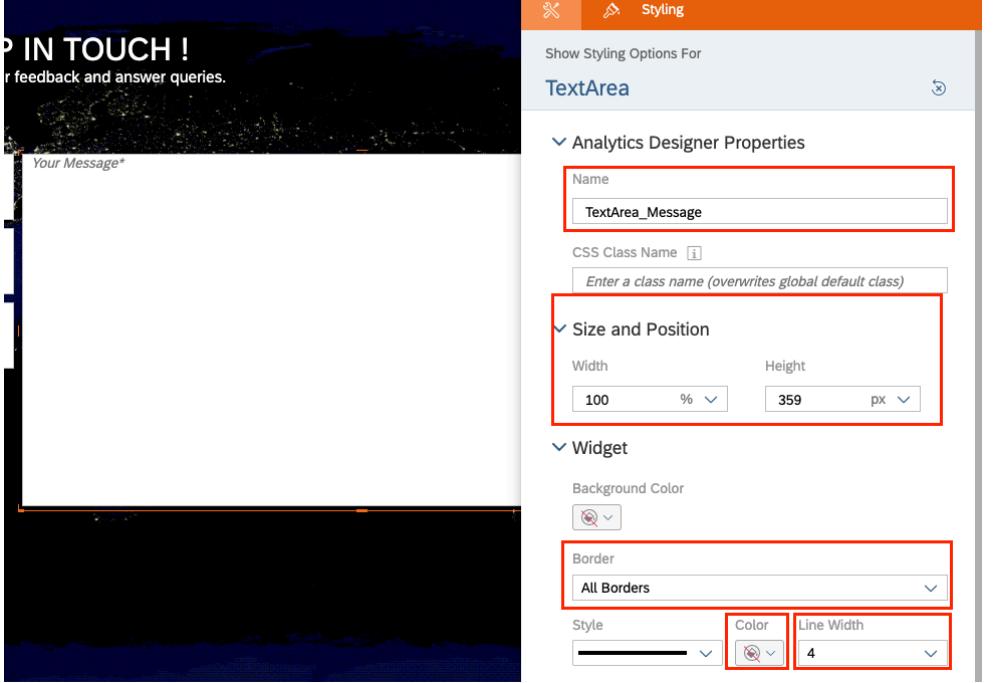
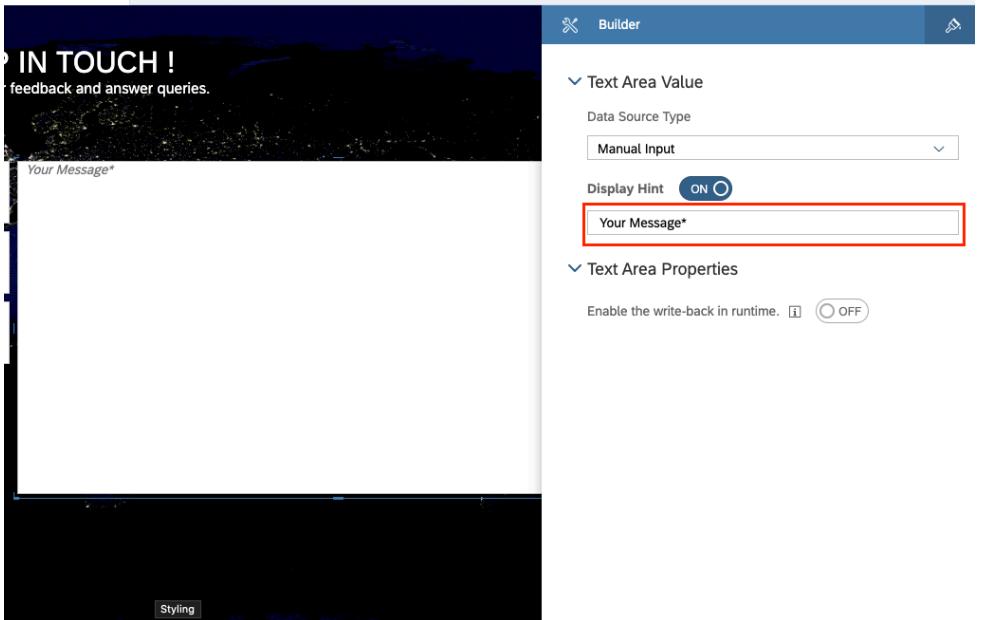
Explanation	Screenshot
<p>38. Replace the default display name to <b>Your Name*</b> as shown.</p>	 <p>The screenshot shows the Oracle Analytics Designer interface. In the top right, there are buttons for 'Designer' and 'Run Analytic Application'. Below that is a toolbar with icons for 'Builder', 'Views', 'Insert', 'Tools', 'Data', and 'Display'. The main area is titled 'Input Field Value'. It has a section for 'Data Source Type' with a dropdown menu showing 'Manual Input'. Underneath is a 'Display Hint' switch set to 'ON'. A text input field contains the placeholder 'Your Name*' and is highlighted with a red rectangular border. Below this is another section titled 'Input Field Properties' with a 'Write-back' toggle switch set to 'OFF'.</p>
<p>39. Add 2 other <b>Input_Filed</b> (step 32) and style them like the previous steps (step 33,35,36,37), and change their names (<b>Step 34</b>) to:  <b>InputField_Email</b>  <b>InputField_Phone</b></p> <p>Change the default display name (<b>Step 38</b>) of the 2 other input field names to:  <b>Your Email*</b>  <b>Your Phone*</b></p>	 <p>The screenshot shows the Oracle Analytics Canvas interface. At the top, there's a toolbar with 'Views', 'Insert', 'Tools', 'Data', and 'Display' tabs. Below the toolbar is a canvas area with a dark background featuring a landscape image and text 'LET'S KEEP' and 'We are always happy to hear'. On the left side of the canvas, there are three input fields stacked vertically. The first field is labeled 'Your Name*' and is highlighted with a red rectangular border. The second field is labeled 'Your Email*' and the third is labeled 'Your Phone*'. The entire screenshot is framed by a thick black border.</p>

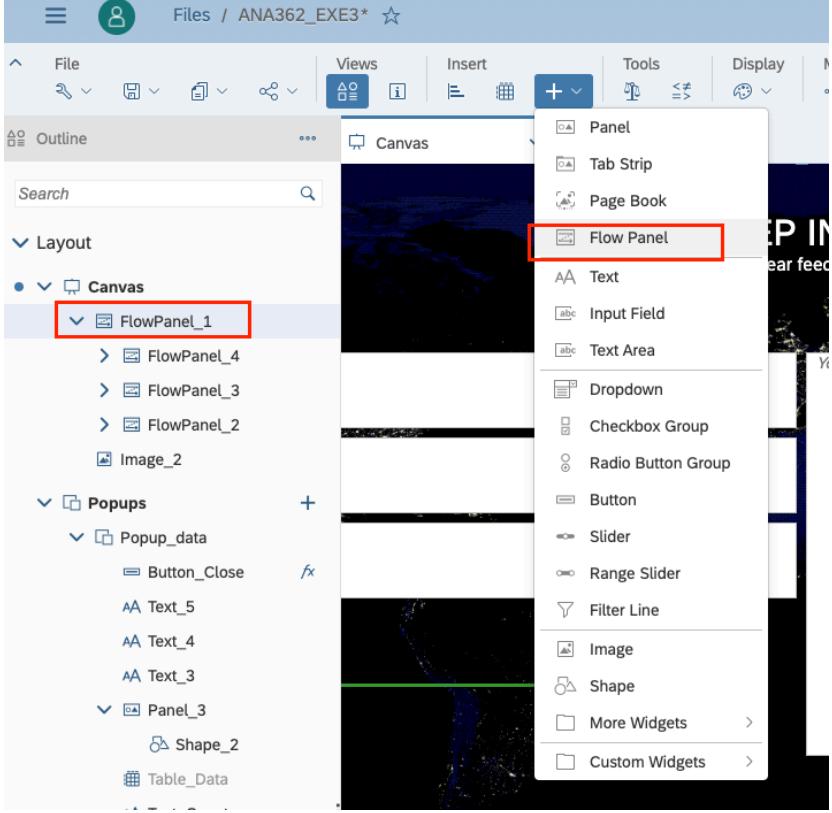
Explanation	Screenshot
<p>40. As next we will add 2 more widgets under the Third Flow Panel: A <b>Text Widget</b> and a <b>Slider</b>.</p> <p>41. Let's start by adding the Text by selecting the Third Flow Panel and press the (+) and add the <b>Text</b></p>	
<p>42. Let's now configure the layout of the Text, by opening the designer panel → Styling (Check Step 11)</p>	
<p>43. Double Click the Default Text and change the <b>color</b> font to <b>White</b></p> <p>How do you score this Website?</p>	
<p>44. After that replace the default text by:</p> <p>How do you score this Website?</p>	

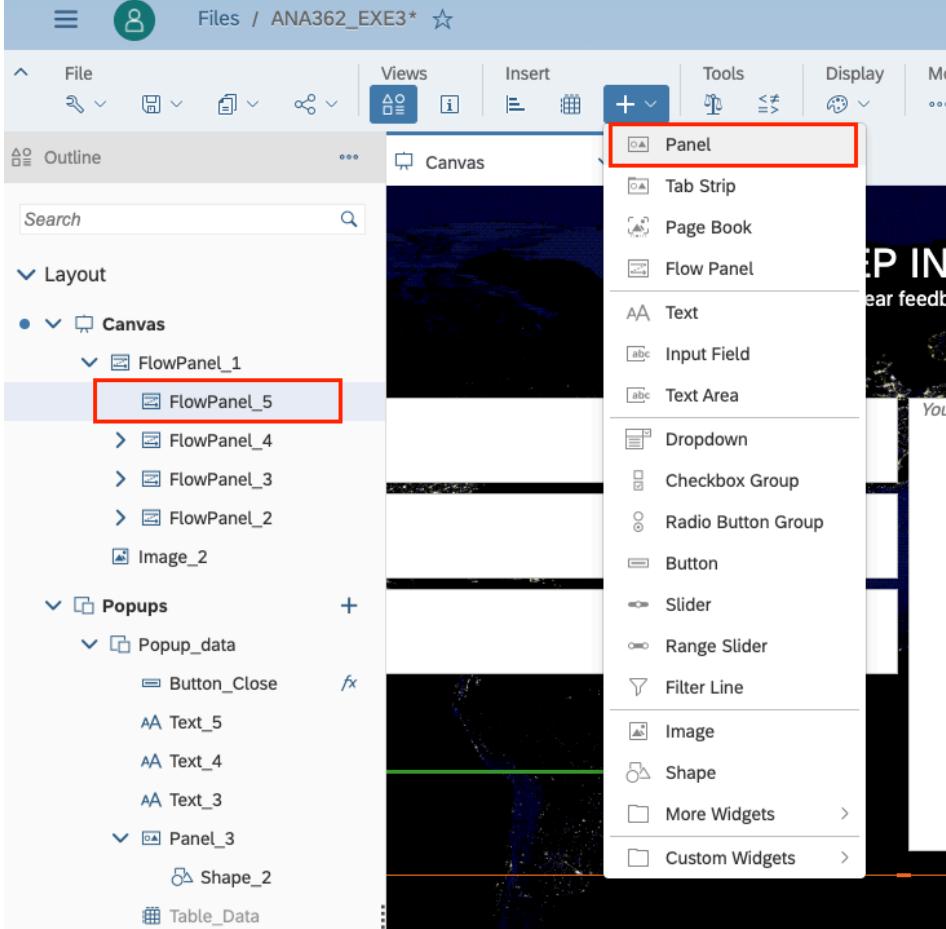
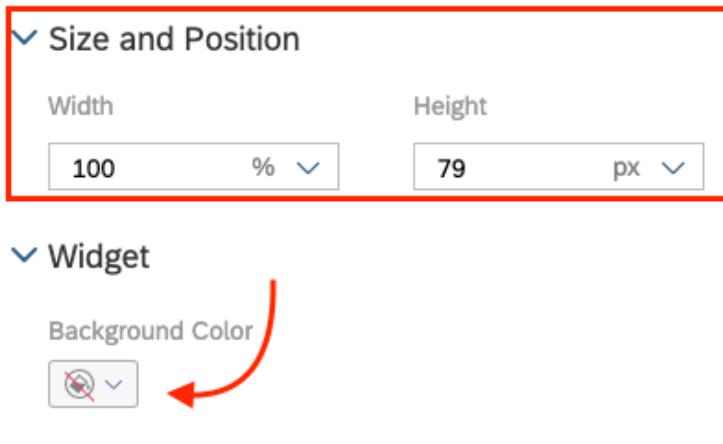
Explanation	Screenshot
45. As next let's add a <b>Slider</b> under the Third Flow Panel	
46. Let's now configure the layout of the Slider, by opening the designer panel → Styling (Check Step 11)	
47. Change the <b>Width</b> and the <b>Height</b> as shown in the Screenshot. Width: <b>100%</b> Height: <b>64px</b>	
48. Change the Progress Bar Color to Green	

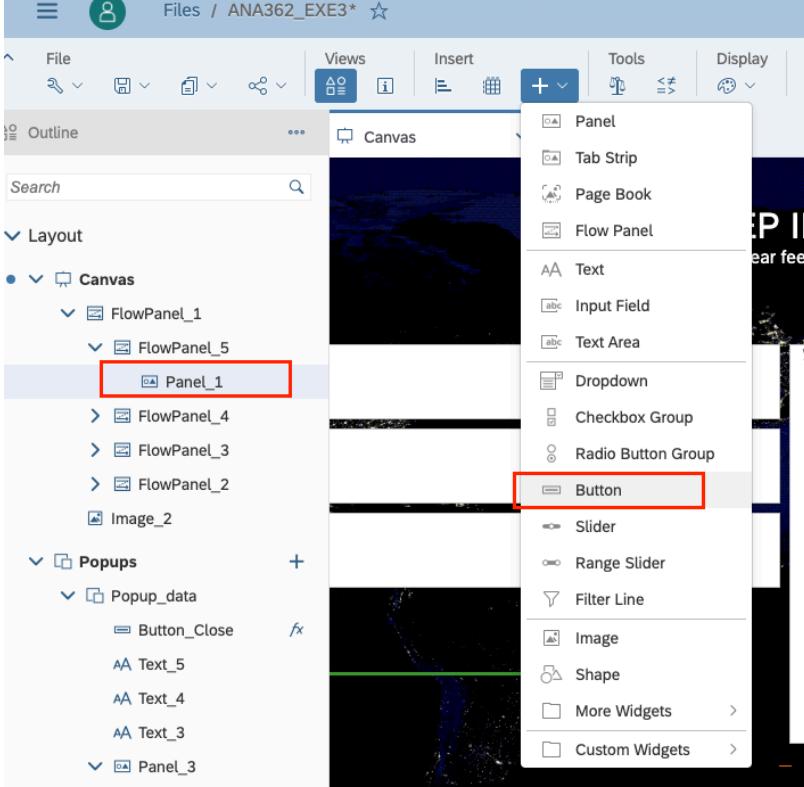
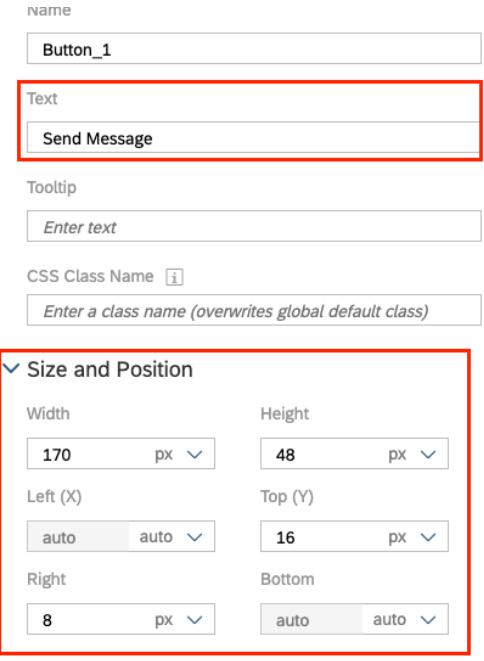
Explanation	Screenshot
<p>49. Toggle the Builder Panel (Check the step 48) and configure the Slider as shown:</p> <p><b>Min Value = 1</b>  <b>Current Value= 85</b></p> <p><b>Check the display Properties as shown in the screenshot</b></p> <p><b>Step Size= 1</b></p>	
<p>50. Let's add a <b>fourth</b> and last <b>Flow Panel</b> under the first Flow Panel.</p> <p>Press the sign (+) and add the Flow Panel</p>	

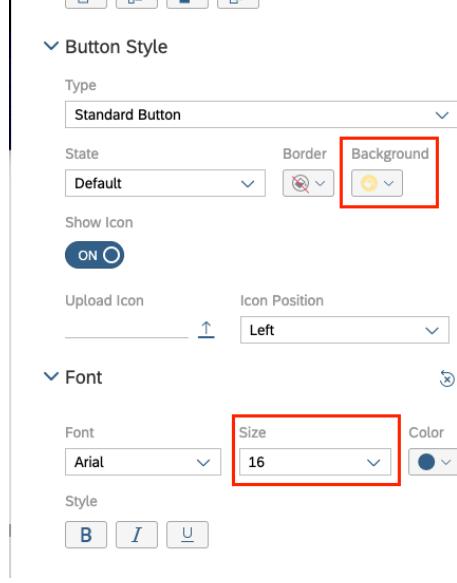
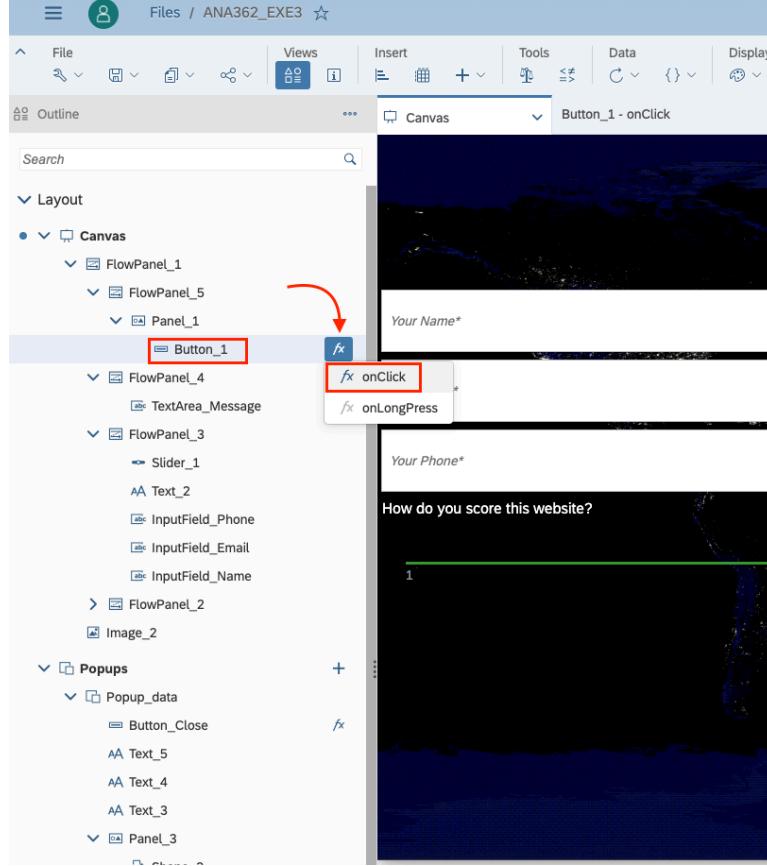
Explanation	Screenshot
<p>51. Let's change the layout of fourth Flow Panel from the Styling Panel as shown:</p> <p>Width: <b>50%</b> Height: <b>374px</b></p> <p>Background Color: <b>Transparent</b></p>	 <p><b>Analytics Designer Properties</b></p> <p>Name: FlowPanel_4</p> <p>CSS Class Name: Enter a class name (overwrites global default class)</p> <p><b>Size and Position</b></p> <p>Width: 50 % Height: 374 px</p> <p><b>Widget</b></p> <p>Background Color: No Border</p> <p><b>Actions</b></p>
<p>52. As next, we will add a <b>Text Area</b> under the Fourth Flow Panel.</p> <p>Select the Fourth Flow Panel and Press the (+) sign and select <b>Text Area</b></p>	 <p>Files / ANA362_EXE3* ☆</p> <p>File Views Insert Tools Display More</p> <p>Outline Search</p> <p>Layout Canvas</p> <p>FlowPanel_1 FlowPanel_4 FlowPanel_3 FlowPanel_2 Image_2</p> <p>Popups Popup_data Button_Close Text_5 Text_4</p> <p>+</p> <ul style="list-style-type: none"> <li>Panel</li> <li>Tab Strip</li> <li>Page Book</li> <li>Flow Panel</li> <li><b>Text</b></li> <li>Input Field</li> <li><b>Text Area</b></li> <li>Dropdown</li> <li>Checkbox Group</li> <li>Radio Button Group</li> <li>Button</li> <li>Slider</li> <li>Range Slider</li> <li>Filter Line</li> <li>Image</li> <li>Shape</li> <li>More Widgets &gt;</li> <li>Custom Widgets &gt;</li> </ul>

Explanation	Screenshot
<p>53. Jump to the Styling Panel and resize the Text Area.</p> <p>Rename the TextArea: <b>TextArea_Message</b></p> <p>Width: <b>100%</b> Height: <b>359px</b></p> <p>Select <b>All Borders</b> from the Border list box, with a <b>transparent</b> border color and a <b>line width</b> equal to 4. (Check step 36)</p>	
<p>54. Toggle the Builder Panel and Change the default Display Hint to: <b>Your Message*</b></p>	

Explanation	Screenshot		
<p>55. Let's add now the last <b>Flow Panel</b> under the First Flow Panel.</p>			
<p>56. From the Styling Panel, change the size and position of the flow panel.</p> <p>Width: <b>100%</b> Height: <b>222px</b></p> <p>Background Color: <b>Transparent</b></p>	<p><b>Analytics Designer Properties</b></p> <p>Name <input type="text" value="FlowPanel_5"/></p> <p>CSS Class Name <input type="text" value="Enter a class name (overwrites global default class)"/></p> <p><b>Size and Position</b></p> <table border="1"> <tr> <td>Width <input type="text" value="100"/> %</td> <td>Height <input type="text" value="222"/> px</td> </tr> </table> <p><b>Widget</b></p> <p>Background Color <input type="button" value=""/></p> <p>Border <input type="text"/></p>	Width <input type="text" value="100"/> %	Height <input type="text" value="222"/> px
Width <input type="text" value="100"/> %	Height <input type="text" value="222"/> px		

Explanation	Screenshot
<p>57. We will now add a <b>Panel</b> under the last flow panel</p> <p>Select the last Flow Panel, then use the sign (+) and add the Panel.</p>	 <p>The screenshot shows the ANA362 application's interface. The top navigation bar includes 'File', 'Views', 'Insert', 'Tools', 'Display', and 'More'. A dropdown menu 'Insert' is open, showing various options like 'Panel', 'Tab Strip', 'Page Book', and 'Flow Panel'. On the left, there's a 'Canvas' tree view with items like 'FlowPanel_1', 'FlowPanel_5' (which is selected and highlighted in red), 'Image_2', 'Popups', and 'Panel_3'. The main area is a dark-themed canvas with some visual elements.</p>
<p>58. From the Styling Panel, change the size and position of the panel.</p> <p>Width: <b>100%</b> Height: <b>79px</b></p> <p>Background Color: <b>Transparent</b></p>	 <p>The screenshot shows the styling panel with two main sections: 'Size and Position' and 'Widget'. In 'Size and Position', 'Width' is set to '100%' and 'Height' is set to '79 px'. In 'Widget', there is a 'Background Color' field with a transparency icon and a color swatch, which is highlighted with a red arrow.</p>

Explanation	Screenshot
<p>59. Under the Panel, we will add a Button:</p> <p>Select the Panel and add the Button as shown.</p>	
<p>60. Let's restyle our Button from the styling Panel.</p> <p><b>Text: Send Message</b></p> <p>Width: <b>170px</b> Height: <b>48px</b> Left: <b>auto</b> Top: <b>16px</b> Right: <b>8px</b> Bottom: <b>auto</b></p>	

Explanation	Screenshot
61. Change the Background color of the Button to <b>Yellow</b> , and the font size to <b>16</b>	
62. After Building the layout Part, let's add now some script in order to calculate the average score of the webpage.  We will first add some Script under the button.  63. Click on the <b>Button_1</b> and then select the function <b>onClick</b>	

Explanation	Screenshot
-------------	------------

64. Copy/paste the script below :

```

// define variables
var name = InputField_Name.getValue();
var email = InputField_Email.getValue();
var phone = InputField_Phone.getValue();
var message= TextArea_Message.getValue();
var score = Slider_1.getValue();

// create master data into the planning table

PlanningModel_1.createMembers("Name", {id: name});
PlanningModel_1.createMembers("Email", {id: email});
PlanningModel_1.createMembers("Phone", {id: phone});
PlanningModel_1.createMembers("Message", {id: message});

// Refresh table before we are adding the key figure into the planning table

Table_Data.getDataSource().refreshData();

// Planning key figure by using setUserInput API
var sel = {
    "@MeasureDimension": "[Account].[parentId].&[Score]",
    "Name": name,
};

Table_Data.getPlanning().setUserInput(sel, score.toString());
Table_Data.getPlanning().submitData();

//in real life we will need the publish step to publish the data, but for this exercise we will work within our own planning version//
/*Table_Data.getPlanning().getPublicVersion("Actual").publish();*/

//calculate the avg score

var rs = Table_Data.getDataSource().getResultSet({"@MeasureDimension": "[Account].[parentId].&[Score]"});
var totalCount = rs.length;
var totalScore = 0.0;

for (var i = 0; i < rs.length; i++) {
    totalScore = totalScore + ConvertUtils.stringToNumber(rs[i]["@MeasureDimension"].rawValue);
}

var avgScore = "0";
if (totalCount > 0) {
    avgScore = (totalScore/totalCount).toFixed (0);
}

// set text for the totalCount and avergae Score
Text_Count.applyText(totalCount.toString());
Text_AvgScore.applyText(avgScore);

// Open Popup to show the result
Popup_data.open();

```

**Explanation**

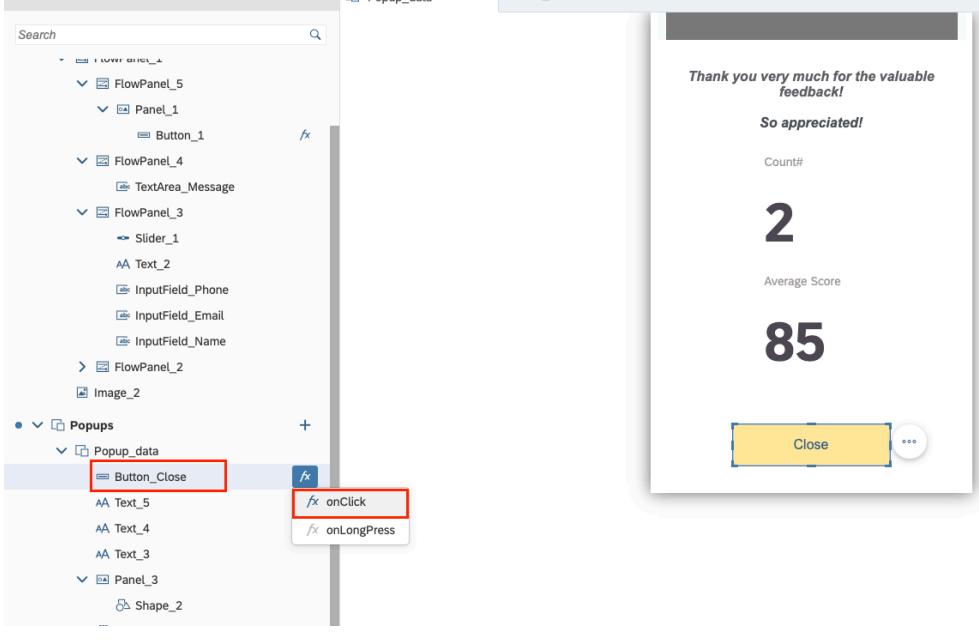
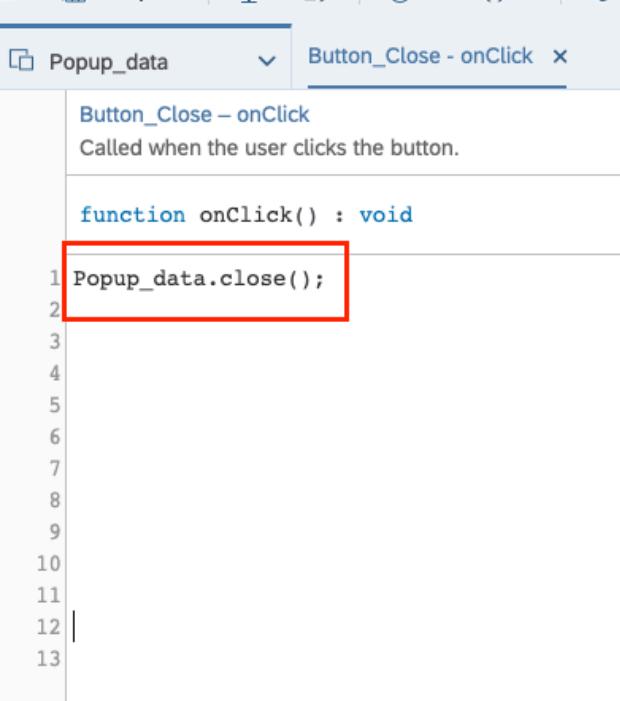
**Screenshot**

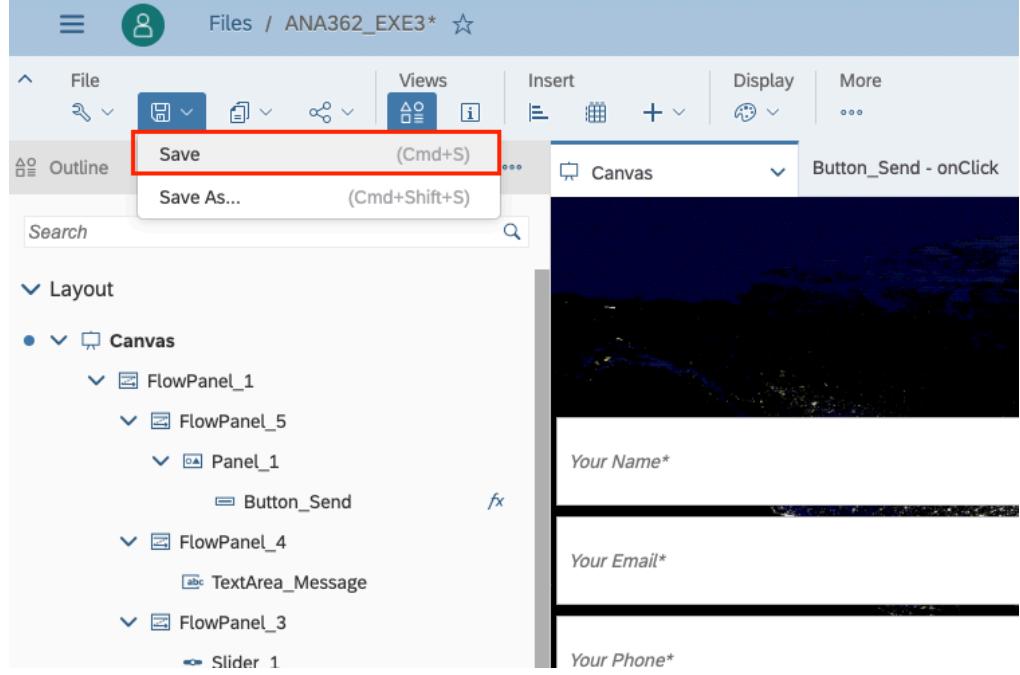
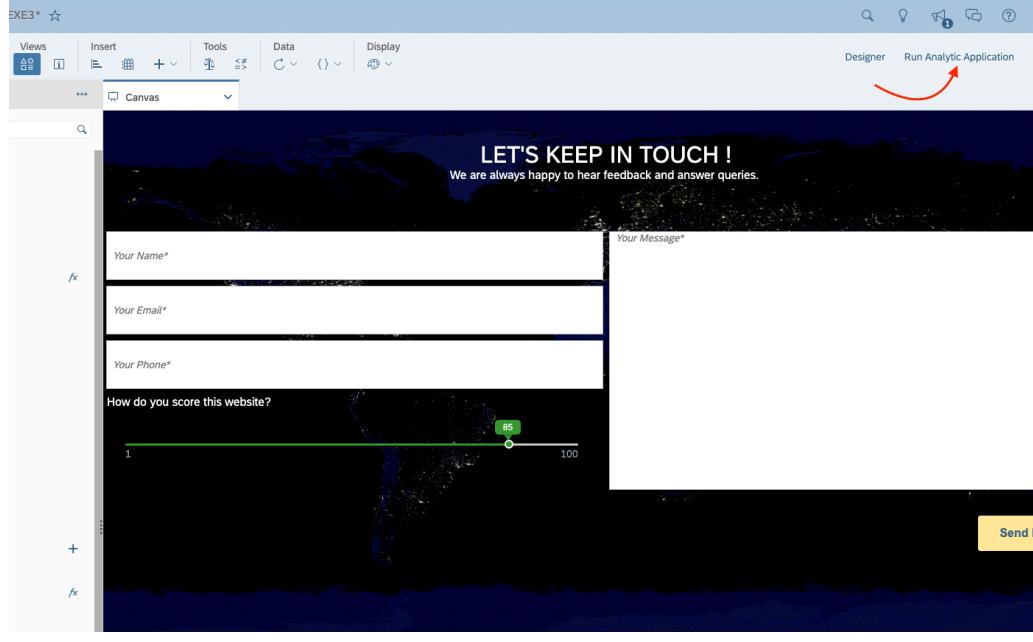
```

Button_1 - onClick
Called when the user clicks the button.

function onClick() : void
1 // define variables
2 var name = InputField_Name.getValue();
3 var email = InputField_Email.getValue();
4 var phone = InputField_Phone.getValue();
5 var message= TextArea_Message.getValue();
6 var score = Slider_1.getValue();
7
8 // create master data into the planning table
9
10 PlanningModel_1.createMembers("Name", {id: name});
11 PlanningModel_1.createMembers("Email", {id: email});
12 PlanningModel_1.createMembers("Phone", {id: phone});
13 PlanningModel_1.createMembers("Message", {id: message});
14
15 // Refresh table before we are adding the key figure into the planning table
16 Table_Data.getDataSource().refreshData();
17
18
19 // Planning key figure by using setUserInput API
20 var sel = {
21   "@MeasureDimension": "[Account].[parentId].&[Score]",
22   "Name": name,
23 };
24
25 Table_Data.getPlanning().setUserInput(sel, score.toString());
26 Table_Data.getPlanning().submitData();
27
28 //in real life we will need the publish step to publish the data, but for this exercise we will work within our own
29 /*Table_Data.getPlanning().getPublicVersion("Actual").publish();*/
30
31 //calculate the avg score
32
33 var rs = Table_Data.getDataSource().getResultSet({"@MeasureDimension": "[Account].[parentId].&[Score]"});
34 var totalCount = rs.length;
35 var totalScore = 0.0;
36
37 for (var i = 0; i < rs.length; i++) {
38
39   totalScore = totalScore + ConvertUtils.stringToNumber(rs[i]["@MeasureDimension"].rawValue);
40 }
41
42 var avgScore = "0";
43 if (totalCount > 0) {
44   avgScore = (totalScore/totalCount).toFixed (0);
45 }
46
47 // set text for the totalCount and average Score
Text_Count.applyText(totalCount.toString());
Text_AvgScore.applyText(avgScore);
48
49
50

```

Explanation	Screenshot
<p>65. As Next let's add some script for the <b>Button_Close</b> under the Popups</p>	 <p>The screenshot shows the Miro workspace interface. On the left, the component tree displays a hierarchy of components: INPUT_BLOCK_4, FlowPanel_5, Panel_1 (containing Button_1), FlowPanel_4 (containing TextArea_Message), FlowPanel_3 (containing Slider_1, Text_2, InputField_Phone, InputField_Email, InputField_Name), FlowPanel_2, Image_2, and a section for Popups. Within the Popups section, there is a Popup_data component containing a Button_Close component. A context menu is open over the Button_Close component, with the 'onClick' option highlighted and selected.</p> <p>The right side of the screenshot shows a preview of a feedback pop-up window. The window contains the message "Thank you very much for the valuable feedback!", the text "So appreciated!", a "Count#" field with the value "2", the average score "Average Score" with the value "85", and a yellow "Close" button.</p>
<p>66. Copy/Paste the line below:</p> <pre>Popup_data.close();</pre> <p>This line of code allows us to close the popup of the result.</p>	 <p>The screenshot shows the Miro code editor with the script for the 'Button_Close - onClick' event. The code is as follows:</p> <pre>function onClick(): void 1 Popup_data.close();</pre> <p>The line '1 Popup_data.close();' is highlighted with a red box.</p>

Explanation	Screenshot
<p>67. Click on the <b>Floppy Disc</b> icon and select <b>Save</b>.</p>	 <p>The screenshot shows the application's interface with a toolbar at the top. The 'File' menu is open, and the 'Save' option is highlighted with a red box. Below the toolbar, there is a sidebar labeled 'Layout' containing a tree view of the application's structure. On the right side, there is a canvas area with three input fields: 'Your Name*', 'Your Email*', and 'Your Phone*'. The 'Your Name*' field has a placeholder 'Your Name*' and a red asterisk indicating it is required.</p>
<p>68. Click <b>Run Analytic Application</b> to see how our Application will behave.</p>	 <p>The screenshot shows the application's interface with a toolbar at the top. The 'Canvas' tab is selected. In the center, there is a form with fields for 'Your Name*', 'Your Email*', and 'Your Phone*'. Below these fields is a question 'How do you score this website?' followed by a horizontal slider with a value of 85. To the right of the slider is a button labeled 'Send'. In the top right corner of the interface, there is a button labeled 'Run Analytic Application' with a red arrow pointing to it.</p>

**Explanation****Screenshot**

69. Here is the final result of your application, now you can use it in order to score a random Website

The screenshot shows a contact form titled "LET'S KEEP IN TOUCH!" with a sub-instruction "We are always happy to hear feedback and answer queries." The form includes fields for "Your Name\*", "Your Email\*", "Your Phone\*", and "How do you score this website?". A slider is set at 85. The message area contains "Your Message\*" and a "Send Message" button.

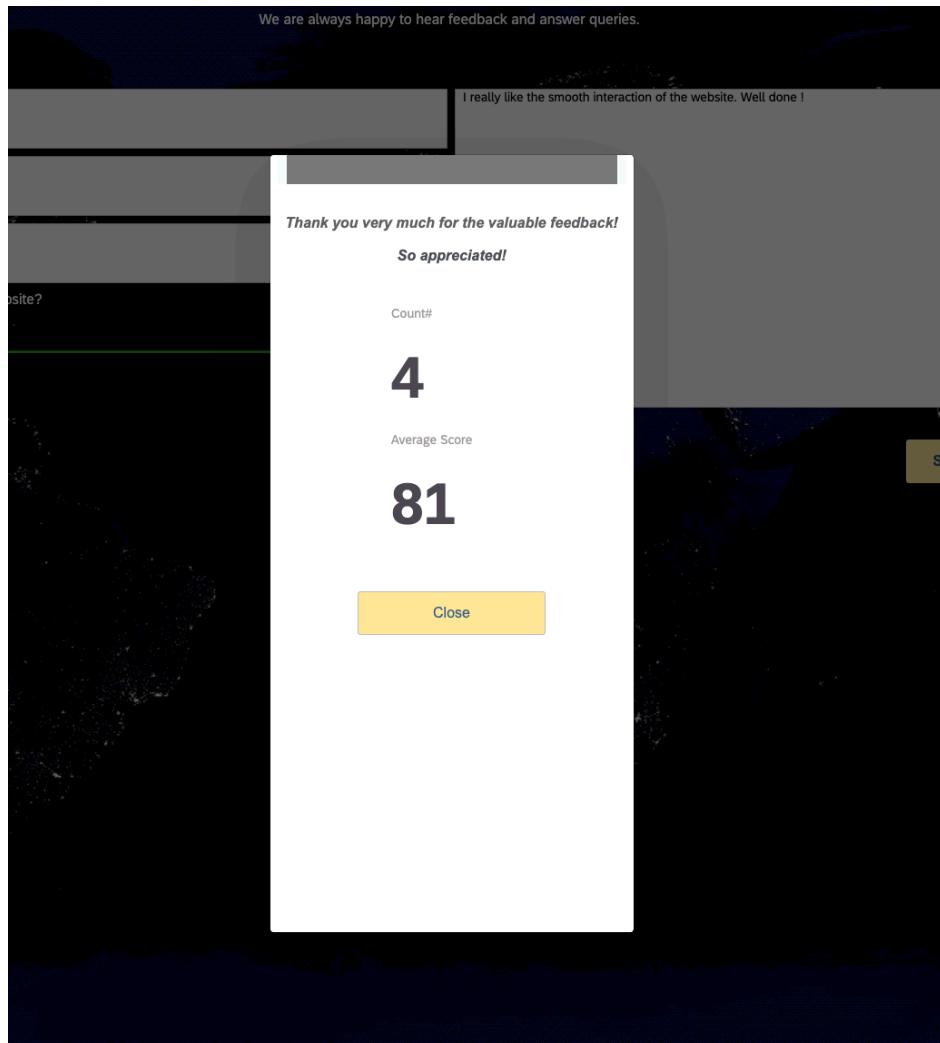
70. Insert your Name, Email, Phone, Score the Website using the Slider, Write your Message, and at last Click Send Message button:

The screenshot shows the same contact form after input. The "Name" field has "Marou", the "Email" field has "m.ferchichi@sap.com", and the "Phone" field has "0123456789". The slider is now at 93. The message area contains "I really like the smooth interaction of the website. Well done! |". An orange arrow points from the "Send Message" button to the right.

**Explanation**

**Screenshot**

71. As shown a Popup will appear showing us, how many users have had already participated, and the average score.



**Congratulations! You Have completed the Exercise 2.**

[www.sap.com/contactsap](http://www.sap.com/contactsap)

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