



Week 3: Development Phase II

Unit 3: UI Designer – UI Creation

UI Designer – UI Creation

Agenda

Introduction

- UI Designer perspective
- Resources tree
- Code map
- Popup zone editor
- Designer view
- Editor view
- Properties
- Demo

Summary



UI Designer – UI Creation

Introduction

UI Designer allows you to design user interfaces

- **Popups**
- **Forms**
- **Side bars**
- **Dashboards**
- **Custom pages**

Desktop Studio displays the UI Designer perspective

- Based on a bootstrap grid system
- Very intuitive and easy to use

Desktop Agent

Credential

Select Application

Login

My login

Password

.....

Password confirmation

.....

Warning here

Cancel Save

Yes or No Popup

Yes or no ?

Yes No

Ok Cancel popup

Ok or Cancel ?

OK Cancel

Confirmation popup

Do you confirm ?

OK

Identity form

Warning! Save your work before you leave !

Firstname

John

Lastname

Smith

E-Mail

john.smith@gmail.com

Web site

www.jsconsulting.com

Phone #

+1 312-565-1234

Address

151 E Upper Wacker Dr

City

Chicago

Zip Code

60601

State

Illinois

Do you have hosting ?

Yes No

Comment

Hospitality industry

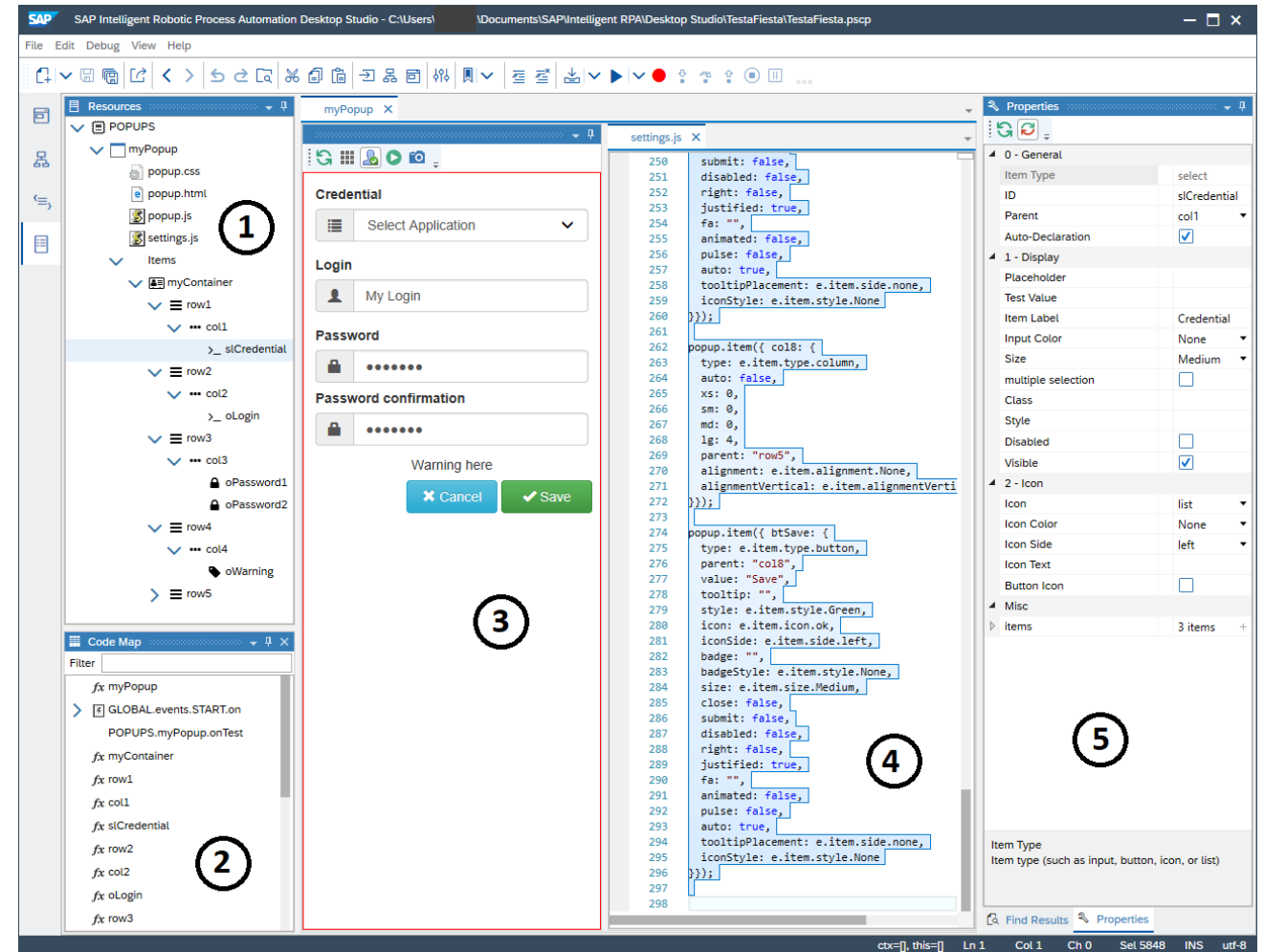
Cancel Save

UI Designer – UI Creation

UI Designer perspective

■ Perspective components

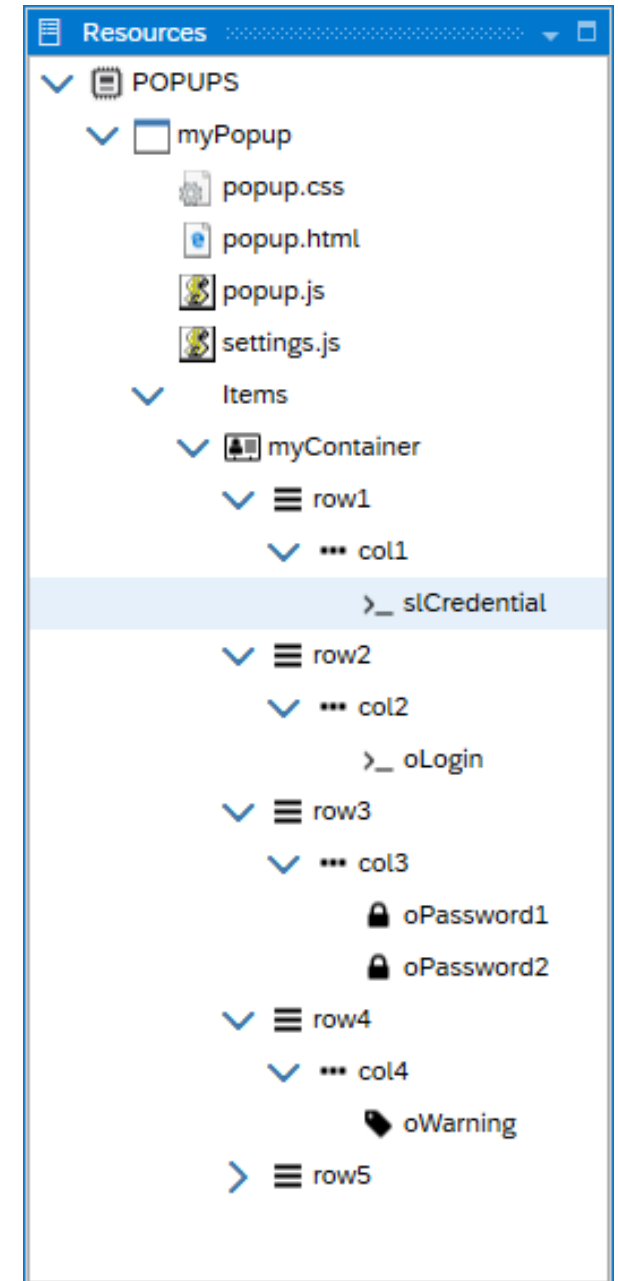
- Resources tree (1)
- Code map (2)
- Popup zone editor
 - Designer view (3)
 - Editor view (4)
- Properties (5)



UI Designer – UI Creation

Resources tree

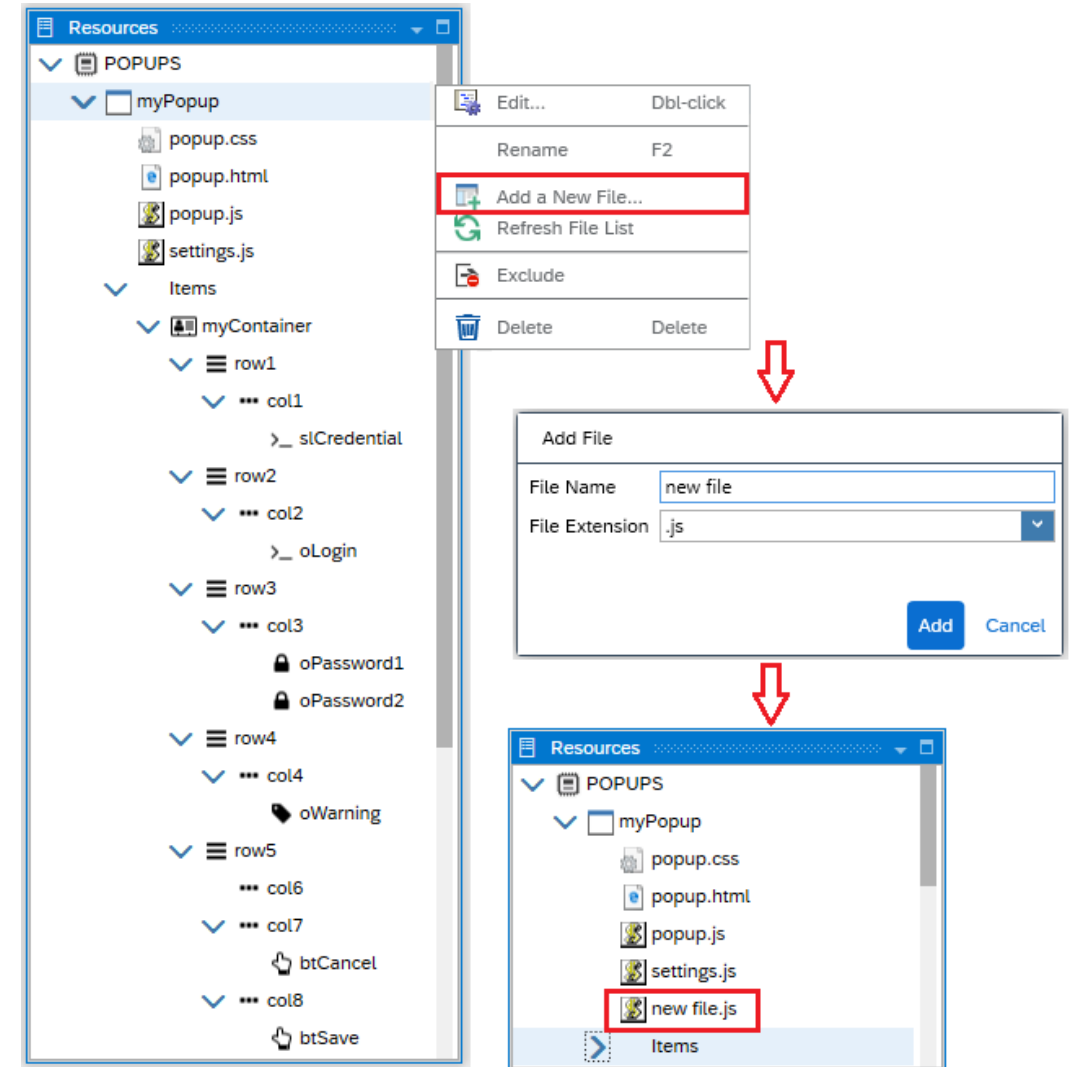
- **Displays a list of popups**
- **Allows you to manage:**
 - **Popups included in the project**
 - **Add a new popup:**
 - right-click the POPUPS root node
 - select Add a new popup from the context menu
 - **In the dialog box**
 - Enter the name of the popup: unique among the popups
 - Choose the template you need
 - **Edit a popup**
- **Files used by the popup**
- **Items of the popup**



UI Designer – UI Creation

Resources tree

- **Displays a list of files**
 - **Popup.html**: the HTML page
 - **settings.js**: the JavaScript file containing the page design
 - **popups.js** and **popup.css**: customizing the page behavior and style sheet
- **Add a new file:**
 - Right-click the popup node in the Resources tree
 - Select Add new file from the context menu
 - In the dialog box
 - Enter the name
 - Choose the type
 - The new file is added and displayed in the Resources tree

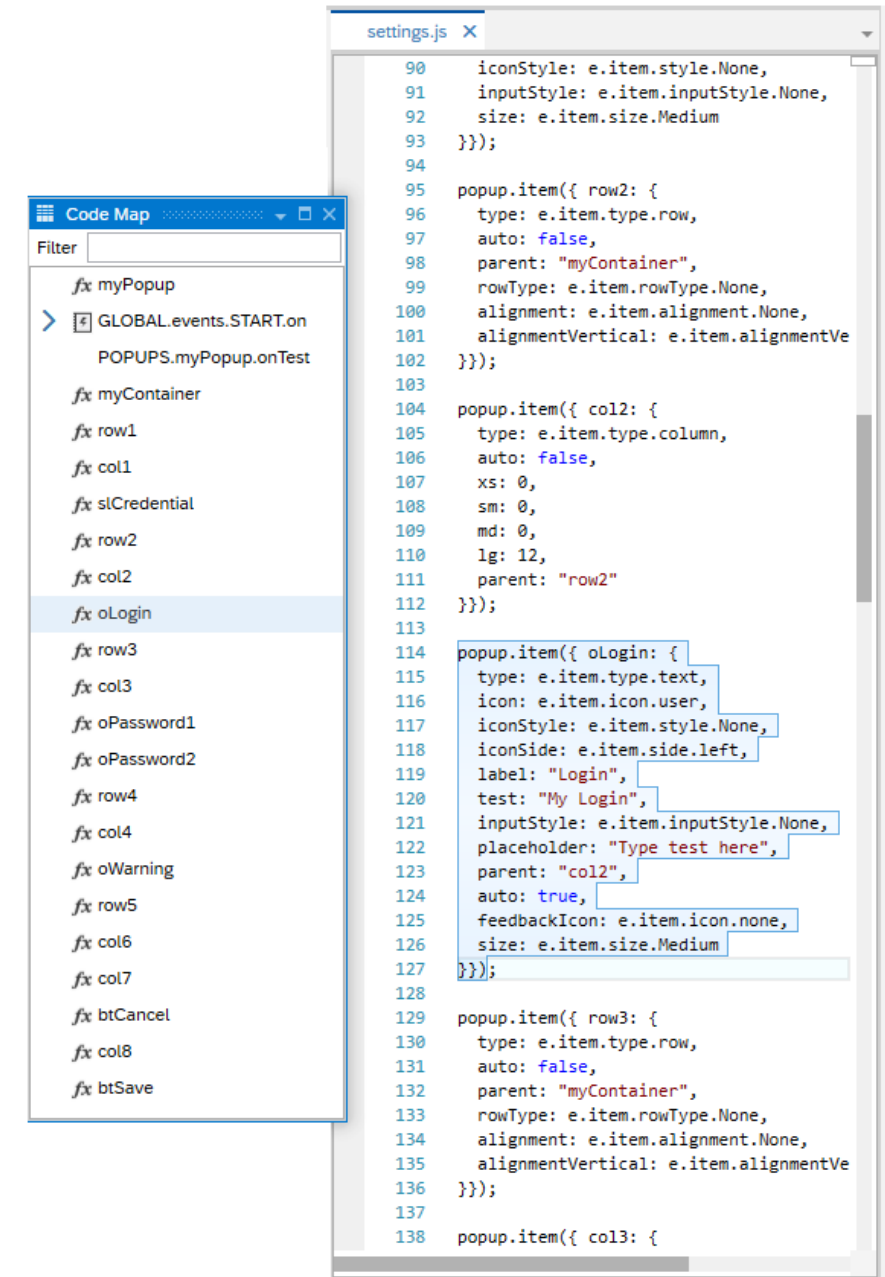


UI Designer – UI Creation

Code map

■ Code map tool window

- Displays the code structure of the edited script
- Allows you to navigate to the code selecting the map entry
- Navigate from the code to the code map
 - Right-click the code editor
 - Select: **Show in code map** from context menu




UI Designer – UI Creation

Popup editor zone


■ Design view


- Displays the popup in an embedded Internet Explorer window
- Allows you to graphically design popups
- Contains a toolbar with:

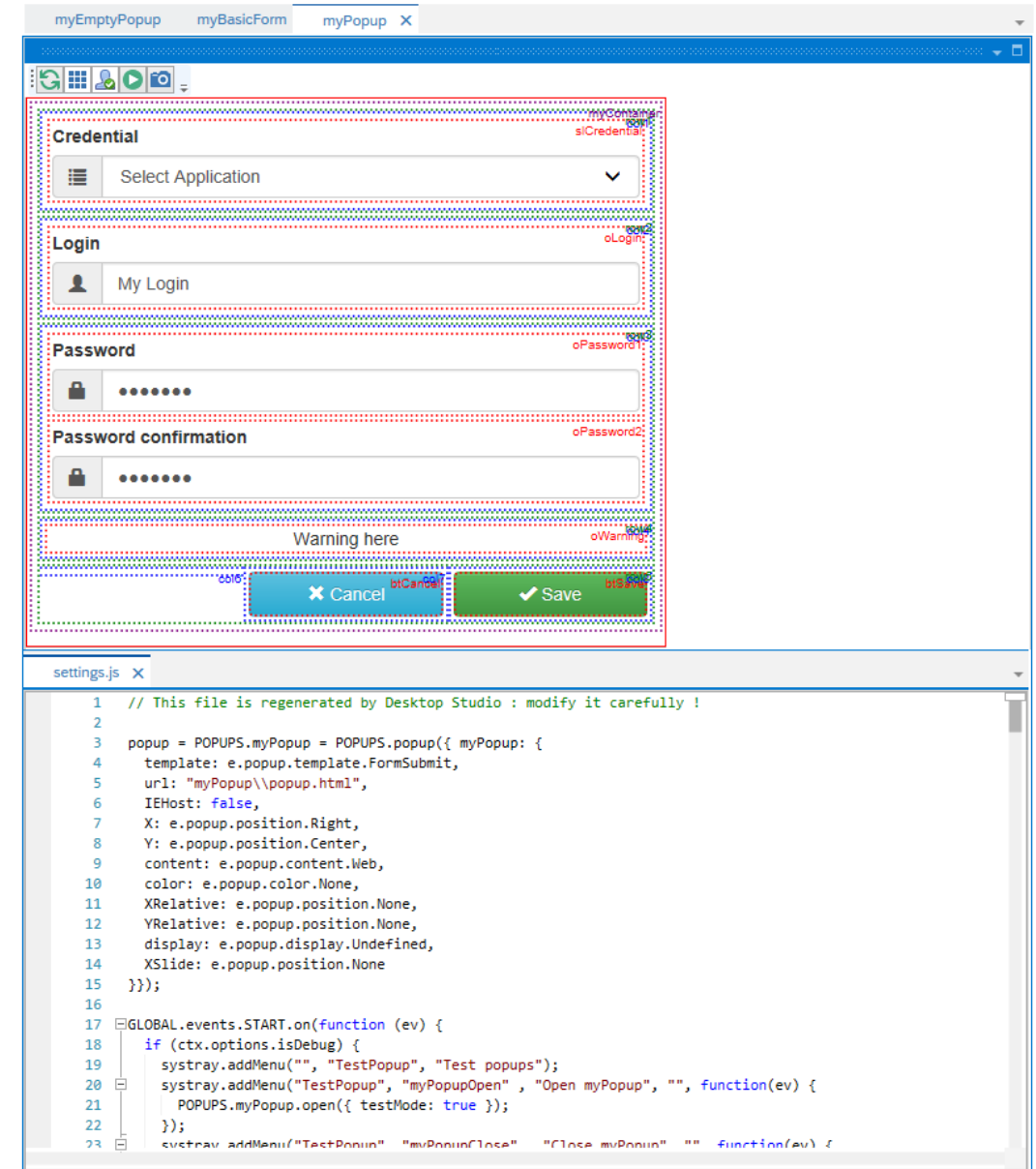
 Refresh the design from the settings.js JavaScript file

 Switch design mode on/off

 Switch test mode on/off

 Open the popup in an external Internet Explorer window

 Capture the popup to make it available in the workflow designer



UI Designer – UI Creation

Popup editor zone

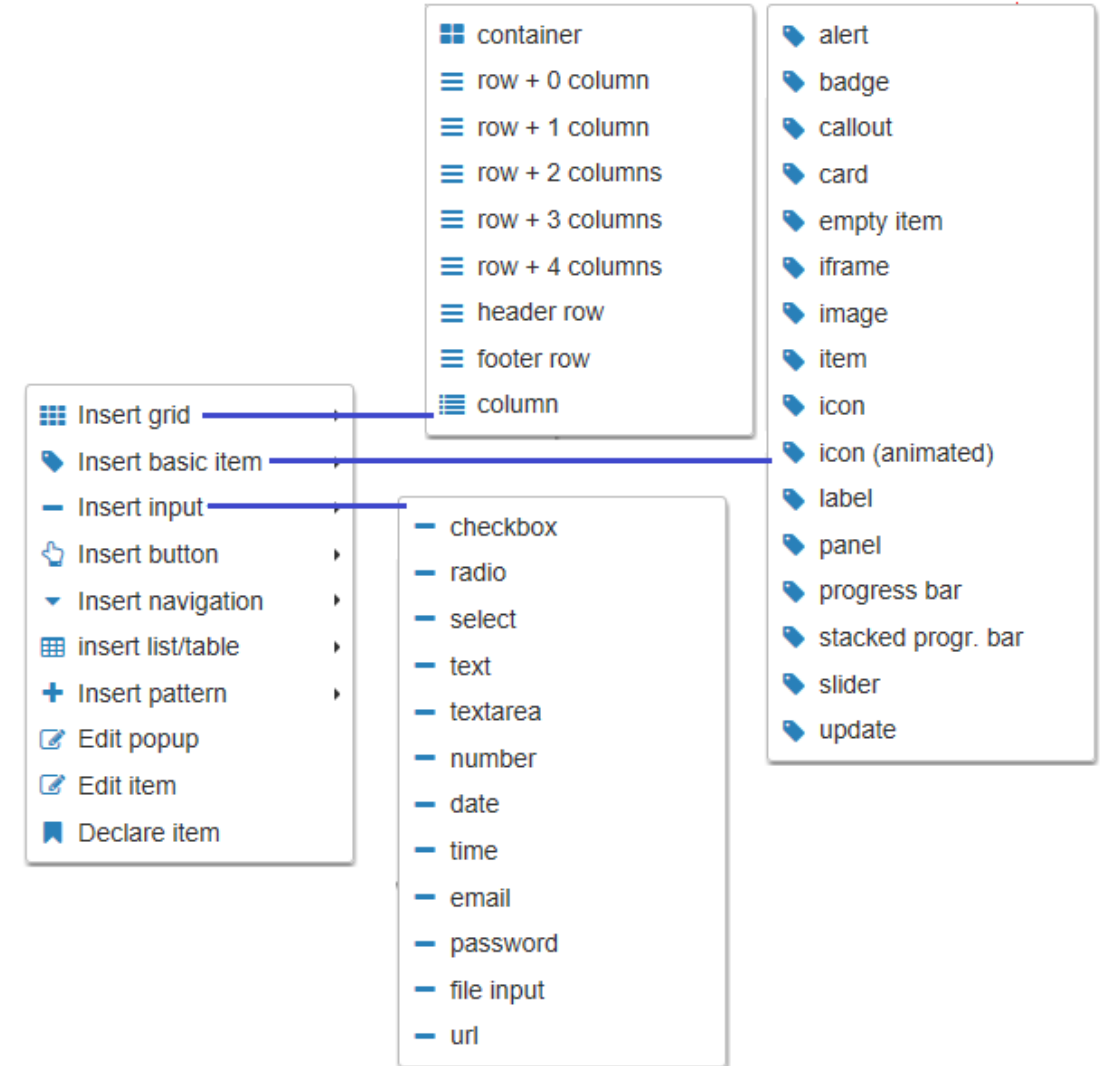
■ Design mode

– Add new items

- Right-click in the page
- Select the desired item type from the list
- The item is added to the **Resources** tree under the **Items** node

– Edit an item

- Click the item in the Designer view
- The properties are displayed in the **Properties** window



UI Designer – UI Creation

Properties tool window

■ Properties panel

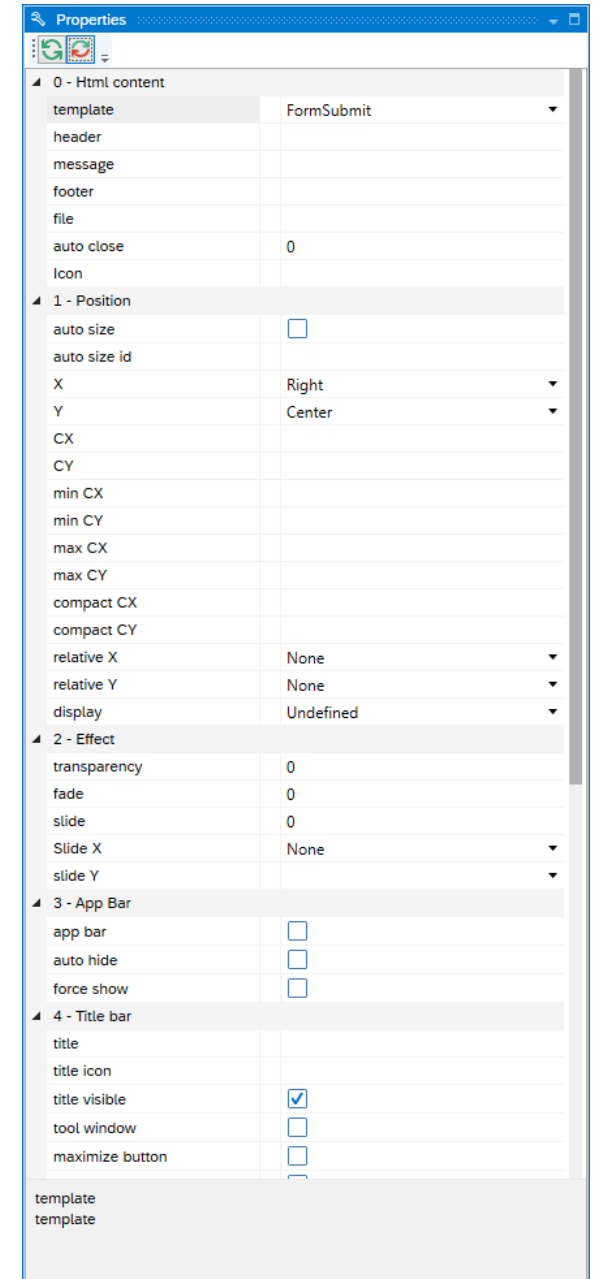
- Allows you to change the properties of popups and items
- Has a toolbar with:

 Manually refresh the design view properties value

 Switch auto-refresh mode on/off

■ Edit properties

- From the Design view
 - Select the item in design mode or
 - Right-click the item and select **Edit Item** or **Edit Popup** from the context menu
 - The properties are then displayed in the property grid



UI Designer – UI Creation

Properties tool window

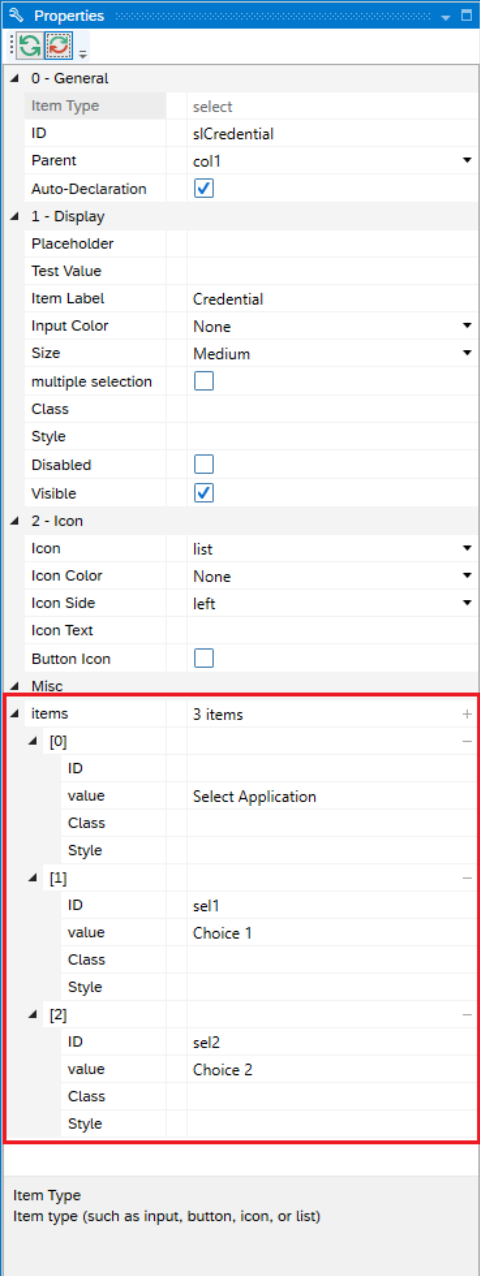
■ Refresh mode

- 🔄 If auto-refresh mode is on, the Design view is automatically updated each time a property change is validated in the property grid
- 🔄 If not, the updates have to be done manually using the refresh button

■ Manage complex items

- Some items like radio buttons, checkboxes, etc.
- With properties that are editable as arrays of objects:
 - Add a new object to the array using the + button
 - Remove an object from the array using the – button

NOTE: You can edit these properties in the **settings.js** file



The screenshot shows the 'Properties' tool window in SAP UI Designer. The 'Misc' section is expanded, showing an array of 3 items. The first item is selected, and its properties are visible. Red arrows point to the '+' and '-' buttons next to the array, labeled 'Add new object' and 'Remove object' respectively.

0 - General	
Item Type	select
ID	slCredential
Parent	col1
Auto-Declaration	<input checked="" type="checkbox"/>

1 - Display	
Placeholder	
Test Value	
Item Label	Credential
Input Color	None
Size	Medium
multiple selection	<input type="checkbox"/>
Class	
Style	
Disabled	<input type="checkbox"/>
Visible	<input checked="" type="checkbox"/>

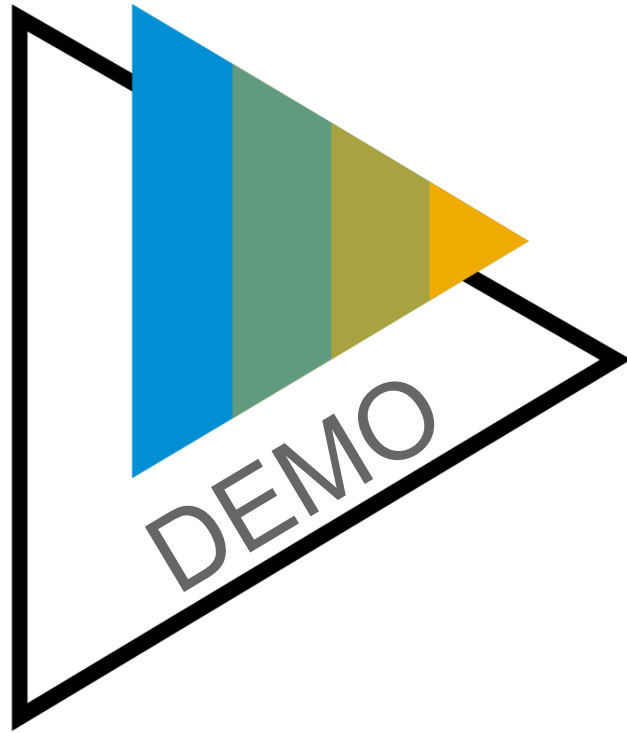
2 - Icon	
Icon	list
Icon Color	None
Icon Side	left
Icon Text	
Button Icon	<input type="checkbox"/>

Misc	
items	3 items
[0]	
ID	
value	Select Application
Class	
Style	
[1]	
ID	sel1
value	Choice 1
Class	
Style	
[2]	
ID	sel2
value	Choice 2
Class	
Style	

Item Type
Item type (such as input, button, icon, or list)

UI Designer – UI Creation **Demo**

UI Designer demo



Thank you.

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