

List Screens

Exercise

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Outline

In this exercise, we will start building our app's UI. We will build two List Screens to list the movies and people in the database.

- Movies Screen
 - a. Screen to display the list of movies in the Movie Entity.
 - b. The list of movies should be displayed in a tabular layout, with the title, year, plot summary, and gross amount.
- People Screen
 - a. Screen to display the list of people in the Person Entity.
 - b. The list of people should be displayed in a tabular layout, with the name, surname, and date of birth.
- Both Screens should be accessible by everyone.

Hands-on

In this exercise, we will start developing the UI of our app by creating two Screens to list the movies and people in the database.

Movies Screen

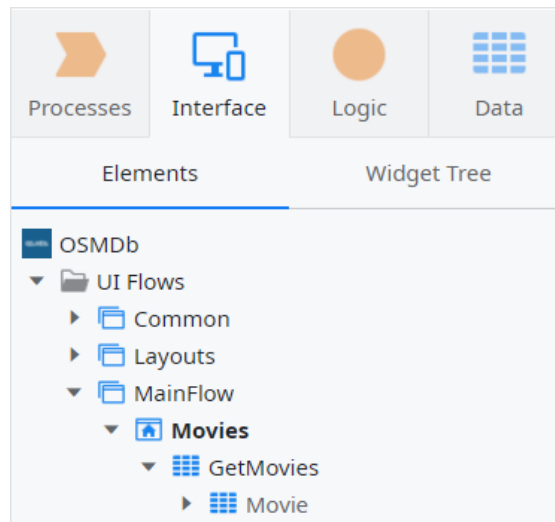
Now that we have the Entities created and populated with data, it's time to start building some UI. Let's start with the Movies Screen.

To leverage the **HomeScreen** Screen already created, let's rename it as *Movies* and delete the existing Expression.

To build a list Screen with the movies, we need two things:

1. Fetch data from the database.
2. Build the UI with the data we want to display, fetched in the previous step.

To fetch the data from the database, we can create a new Aggregate that fetches all the Movies.



Then, we need to create a Table that will display the movies' Title, Year, Plot Summary, and Gross Takings Amount that are being fetched from the Aggregate. Select the correct widget from the widget toolbar on the left, drag it to the Screen and follow the ODC Studio hints to complete the table! In the end, the Screen should look like this:

OSMDb

Login

Movies

Title ↕	Year ↕	Plot Summary ↕	Gross Takings Amount ↕
Star Wars: The Force Awakens	2015	Three decades after the defeat of the Galactic Empire, a new threat arises. The First Order attempts to rule the galaxy and only a ragtag group of heroes can stop them, along with the help of the Resistance.	\$815,843,529.00
Raiders of the Lost Ark	1981	Archaeologist and adventurer Indiana Jones is hired by the US government to find the Ark of the Covenant before the Nazis.	\$242,374,454.00
Schindler's List	1993	In Poland during World War II, Oskar Schindler gradually becomes concerned for his Jewish workforce after witnessing their persecution by the Nazis.	\$16,439,233.00

People Screen

We're done with the movies. Now, we want to create a similar UI for the data stored in the Person Entity! Let's do it!

People

Name ↕	Surname ↕	Date Of Birth ↕
Harrison	Ford	13 Jul 1942
Steven	Spielberg	18 Dec 1946
Ben	Kingsley	31 Dec 1943
Philip Seymour	Hoffman	23 Jul 1967

Menu

To complete the exercise, drag and drop the Movies and People Screens to the Menu element, under Common. This will ensure that there will be a menu entry for both list screens when navigating in the browser. By clicking on a menu entry, the app will navigate to the respective Screen.

The image shows the OutSystems UI Flows editor on the left and a preview of the application on the right. In the editor, the 'UI Flows' tree is expanded to 'Common'. A red arrow points to the 'Menu' element, which is currently empty. Below it, 'MenuIcon' is also visible. The 'MainFlow' tree is expanded to 'Movies', which is also empty. The preview on the right shows the application's header with a logo and three menu items: 'OSMDB', 'Movies', and 'People'. The 'Movies' menu item is selected, and the main content area displays the 'Movies' screen with a table header containing 'Title', 'Year', and 'Plot Summary'.