

Create a Static Entity Exercise

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Create Static Entity

In this exercise, your objective is to create a Static Entity within the OutSystems **Employee Directory** app, designed to list a collection of records that remain constant and unaltered throughout the application's runtime. To do so, you will perform the following actions:

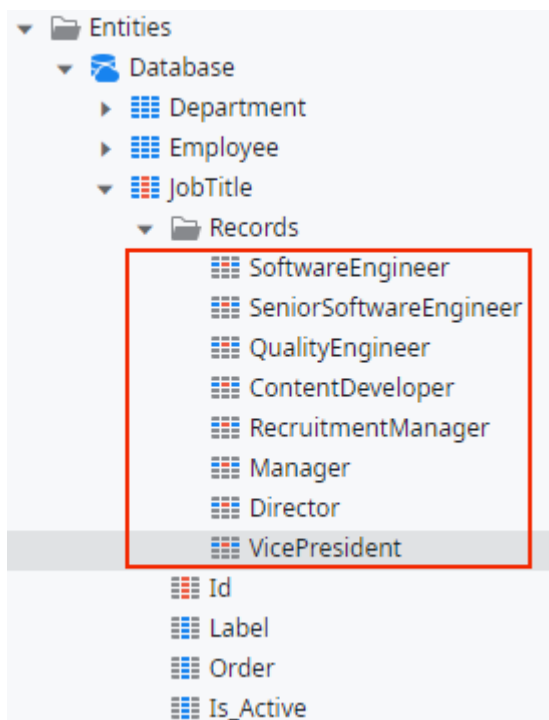
- Create a Static Entity
- Add records to the Static Entity

Upon completion, you will end up with a Static Entity containing records.

Scenario

In this exercise, you will start from the existing **Employee Directory** app, which has one module. Inside that module, you have the *Employee*, *Project*, and *Department* entities with data that was bootstrapped from Excel files in the previous exercises.

Starting from this application, you will manually create a Static Entity named '*Job Title*,' which will hold records shown in the image below.



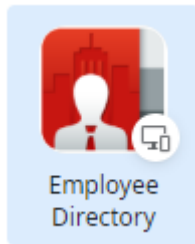
How-To

In this section, we will show you how to do this exercise, with a thorough step-by-step description. **If you already finished the exercise on your own, great! You don't need to do it again.** If you didn't finish the exercise, that's fine! We are here to help you.

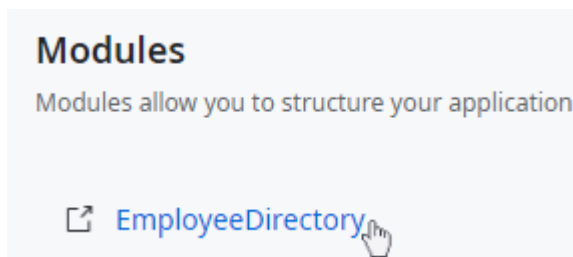
Getting Started

To start with this exercise, we need to open the **Employee Directory** app. Before proceeding, you must have Service Studio opened and connected to an OutSystems Environment (e.g. Personal Environment).

- 1) In the main window of Service Studio, click **Employee Directory** to open it.

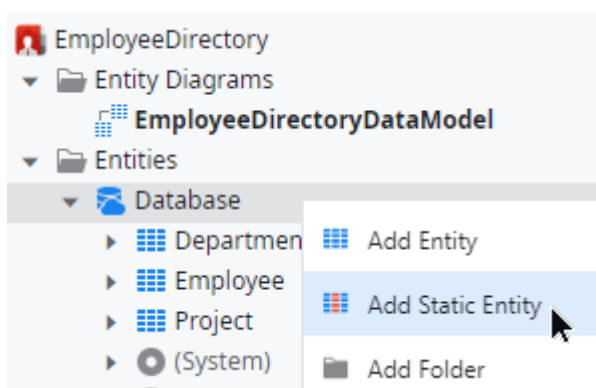


- 2) The application has only one module, open it!



Create Static Entity

- 1) In the Data tab, right-click the **Database** element, then select **Add Static Entity**.



- 2) Set the Static Entity **Name** to *JobTitle*.



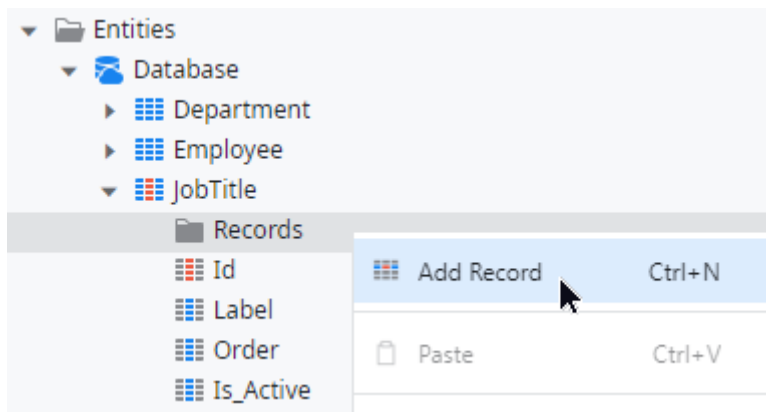
The screenshot shows the configuration form for the 'JobTitle' entity. The 'Name' field is highlighted with a red border and contains the text 'JobTitle'. Below it, the 'Description' field is empty with a three-dot menu icon. The 'Public' field is a dropdown menu set to 'No'. At the bottom right, there is a button labeled 'Indexes and more'.

- 3) Publish the module.



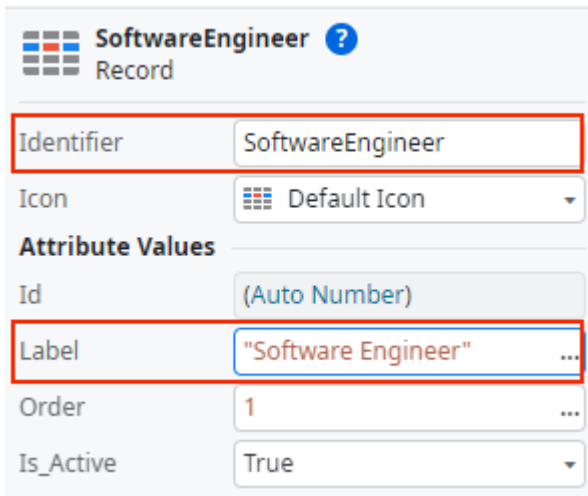
Add Records to Static Entity

- 1) Expand the **JobTitle** Static Entity to view the default attributes and the empty **Records** folder.
- 2) Right-click the **Records** folder and select **Add Record** to add the list of job titles to the folder.



- 3) Set the new record **Identifier** to *Software Engineer*.

- 4) For better readability, add a space between the words *Software Engineer* in the **Label** attribute.



SoftwareEngineer ?
Record

Identifier SoftwareEngineer

Icon Default Icon

Attribute Values

Id (Auto Number)

Label "Software Engineer" ...

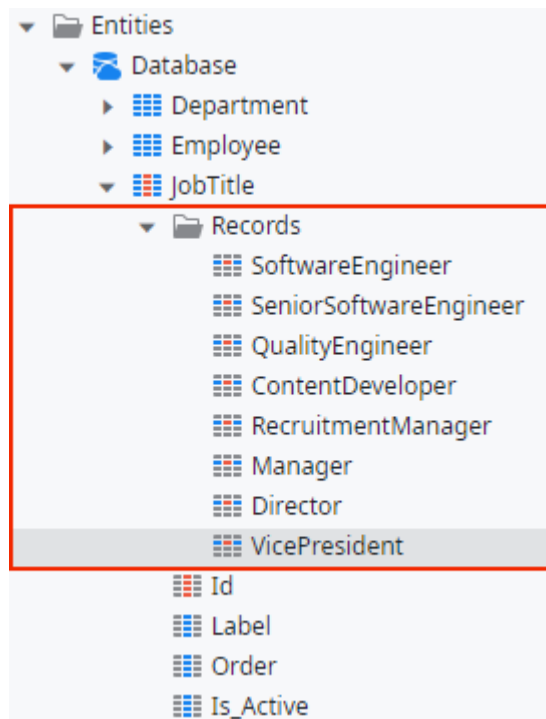
Order 1 ...

Is_Active True

- 5) Similarly, add the following titles to the **Record** folder.

- Senior Software Engineer
- Quality Engineer
- Content Developer
- Recruitment Manager
- Manager
- Director

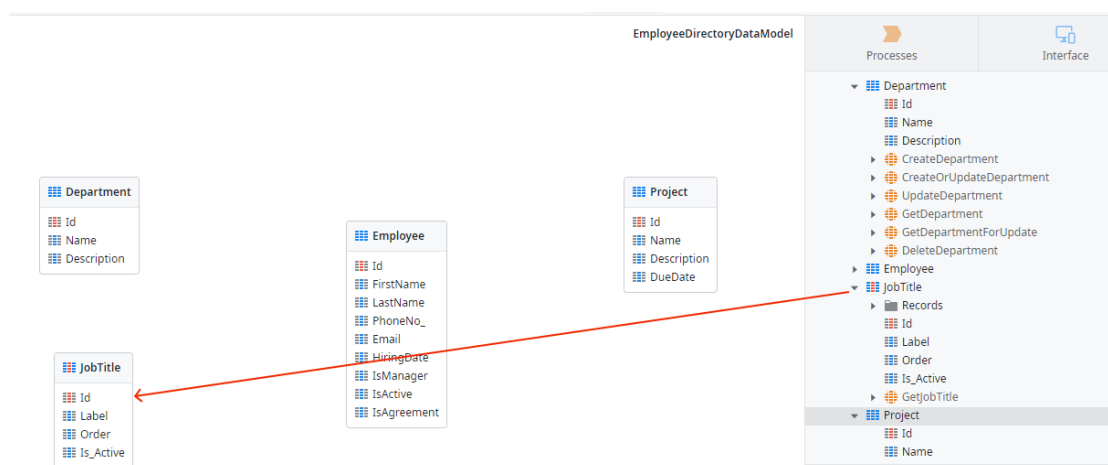
- Vice President



- 6) Select the **Label** attribute of the JobTitle Static Entity and rename the it to *Job Title*.

The screenshot shows the 'JobTitle' Entity Attribute configuration form. The 'Name' field is highlighted with a red box and contains the text 'JobTitle'. Below it, the 'Label' field contains the text 'Job Title'. Other fields include 'Description' (empty), 'Data Type' (Text), 'Length' (50), 'Is Mandatory' (Yes), and 'Default Value' (empty).

- 7) Open the EmployeeDirectoryDataModel diagram, and drag the **JobTitle** Static Entity to the Entity diagram.



8) Publish the module.



Congratulations! You've effectively created the Static Entity and added records to the Entity.