



Accelerating UI Development



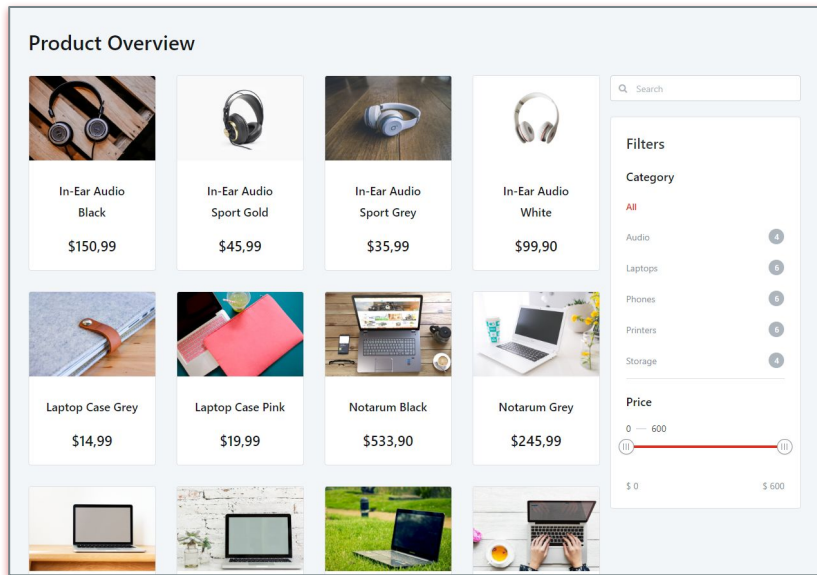
Topics

- Screen Templates
 - Creating Template-based Screens
 - Sample Data
 - Replace Data
- Scaffolding Patterns
 - List Screen
 - Detail Screen

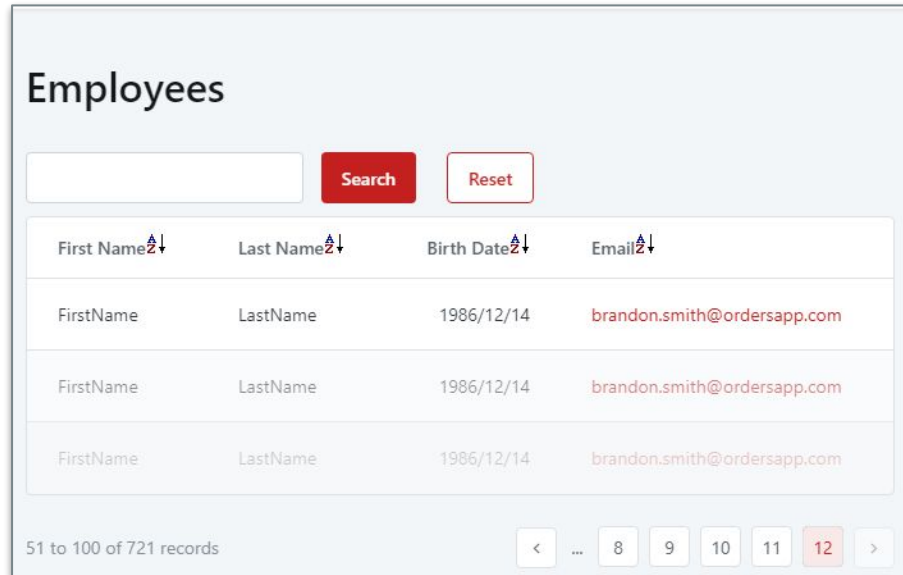
Accelerating UI Development

OutSystems has accelerators that speed up the application development

Screen Templates

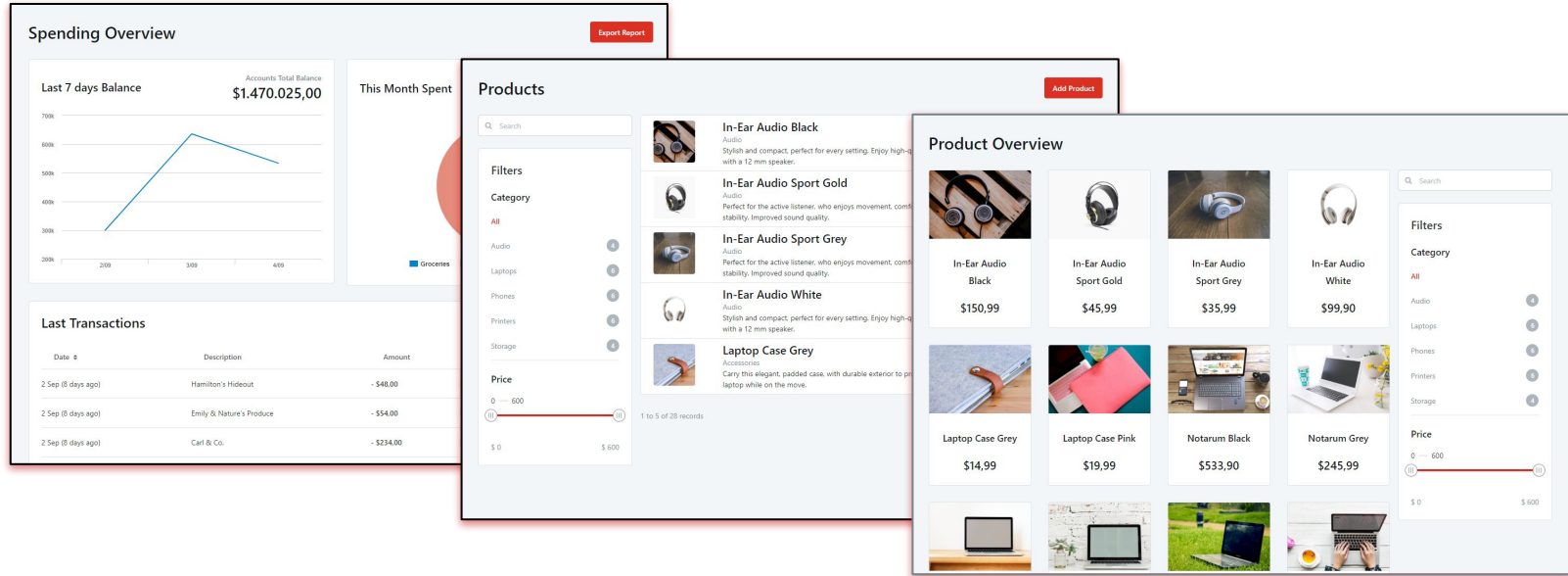


Scaffolding Patterns



Screen Templates

Pre-built Screens that implement typical scenarios with logic and data



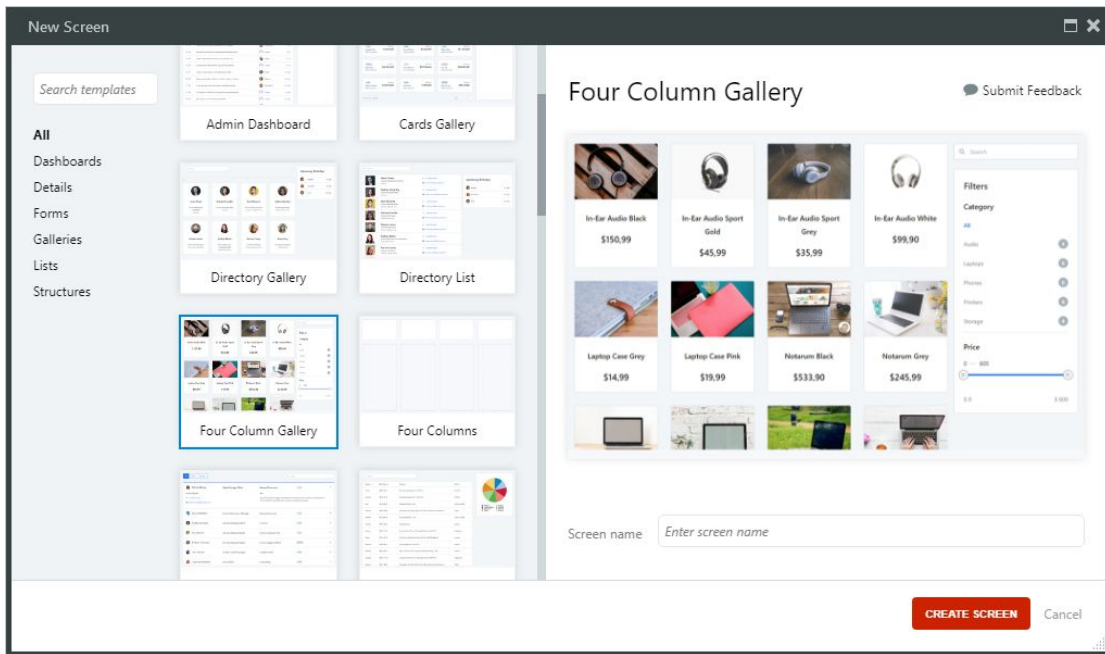
Using a Template to create a Screen

The created Screen is a copy of the template including all the layouts, widgets, styles and logic

- Built with OutSystems UI
- Can be published and used immediately
- Speeds up development

The Screen uses **sample data** to populate the UI & enable logic

- Will be replaced by your data



Sample Data

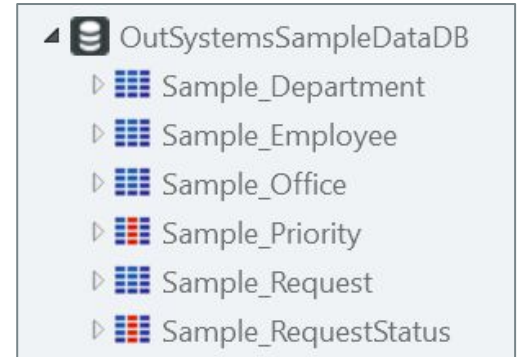
Consists of example entities and records that support the scenarios implemented in the screen templates

Used on Screens created from Templates

- OutSystemsSampleDataDB module (dependency)

Backoffice available to view, import and reset data

- <http://<yourserver>/OutSystemsSampleData>



Replacing Sample Data

Sample data can be replaced by real data

The screenshot shows the OutSystems development environment with the 'CustomerOrders' application open. The 'Order List' table is displayed, showing sample data. A red arrow points from the 'Order' entity in the 'Widget Tree' to the first row of the table, illustrating the process of replacing sample data with real data.

Order List Table Data:

Order	Status	Priority	Due Date	Assigned To
Northeast Office Supplies for Month of August	New	Low	15 Aug(5 days ago)	Employee Assign
Northeast Office Supplies for Month of August	New	Low	15 Aug(5 days ago)	Employee Assign
Northeast Office Supplies for Month of August	New	Low	15 Aug(5 days ago)	Employee Assign

Widget Tree:

- CustomerOrders
 - Entity Diagrams
 - CustomerOrdersDataModel
 - Entities
 - Database
 - MenuItem
 - MenuItemSubItem
 - (System)
 - Charts
 - CustomerOrdersData
 - Customer
 - Employee
 - Order
 - OrderProduct
 - OrderStatus
 - Priority
 - Product
 - OutSystemsUIWeb
 - RichWidgets
 - Structures
 - Session Variables
 - Order Entity
 - Name
 - Original Name
 - Description
 - Expose Read Only
 - More...

Created by training
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CustomerOrders uploaded on May 25 at 6:16 AM by admin

How “Replace Data” Works

Drag and drop an Entity to a widget that supports automatic data replacement

- Form, List / Table Records, etc.

Service Studio maps the fields from the Sample Entity to the real Entity

- Name or data type
- May not result in “optimal” matches

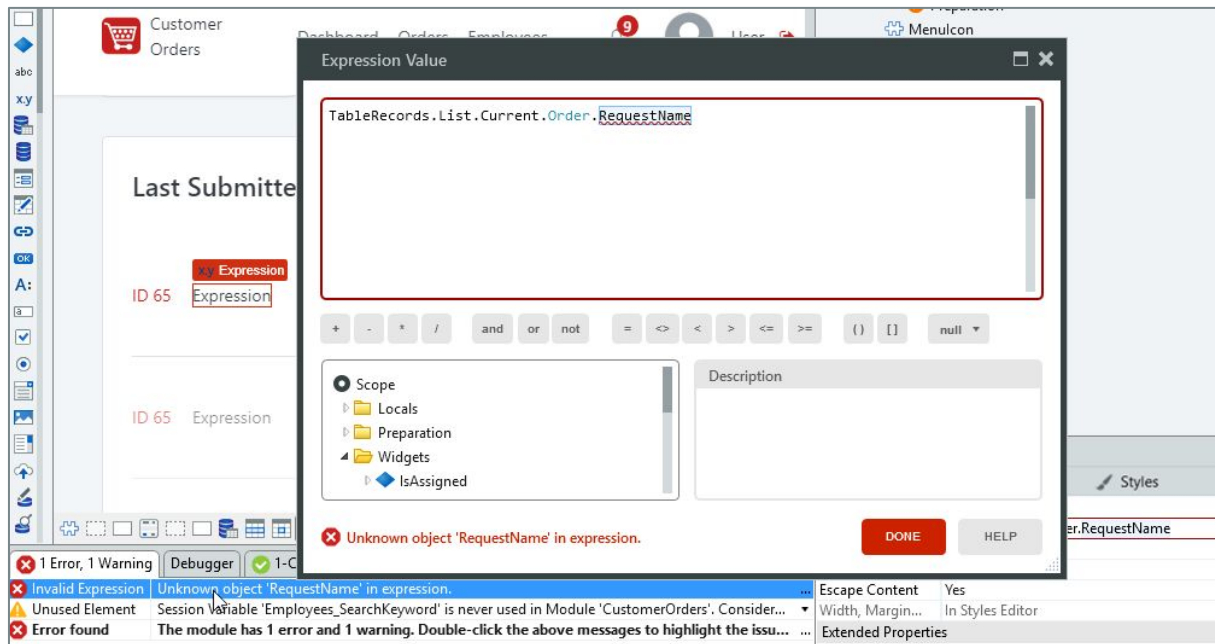
Also works on Screens **not** based on Templates



After the Replace Data

Use TrueChange to find the errors and warnings and fix them to use the real data

- Delete unnecessary information
- Check the mappings that did not cause an error



Scaffolding Patterns

Scaffolding patterns provide automation for data driven screens

- Create Screens and logic in a few clicks
- Good starting point for building applications
- Allow further customization to the end-user needs

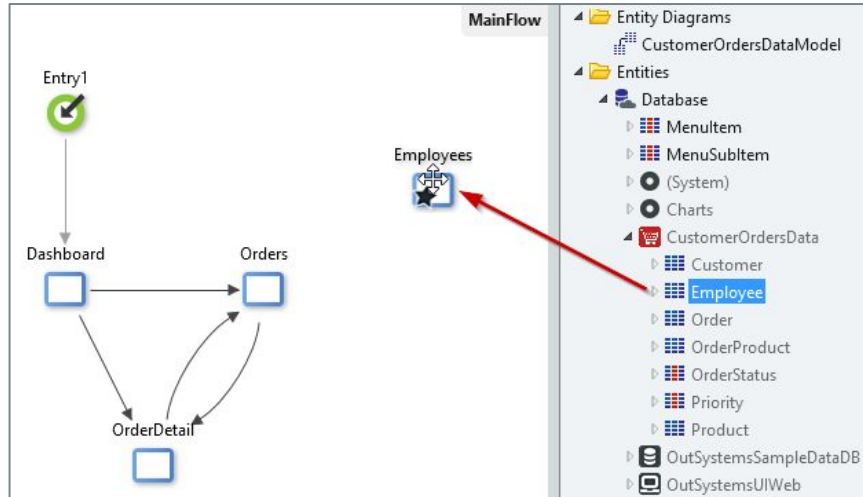
Scaffolding patterns allow creating:

- List and Detail Screens
- Detail Lists in a Master Screen
- Contextual Popup Info Balloons
- And more...

List Screen

Dragging an Entity to a UI Flow creates a List Screen

Logic and UI are automatically created, but can be modified



Employees

First Name ^z ↓	Last Name ^z ↓	Birth Date ^z ↓	Email ^z ↓
FirstName	LastName	1986/12/14	brandon.smith@ordersapp.com
FirstName	LastName	1986/12/14	brandon.smith@ordersapp.com
FirstName	LastName	1986/12/14	brandon.smith@ordersapp.com

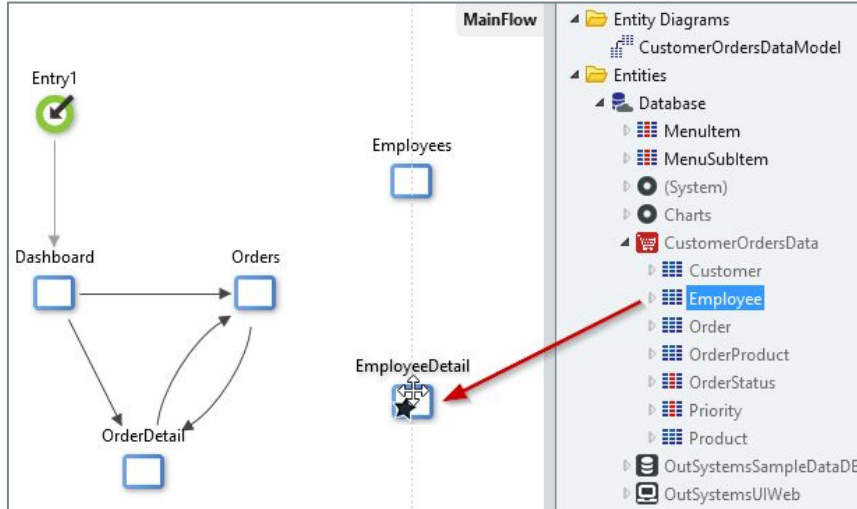
51 to 100 of 721 records

< ... 8 9 10 11 12 >

Detail Screen

Dragging an Entity to a UI Flow for the second time creates a Detail Screen

Logic and UI are automatically created, but can be modified



The screenshot shows a 'New Employee' form with the title 'New Employee' and 'FirstName' as the first field. The form is titled 'EmployeeForm' and contains several input fields: 'First Name', 'Last Name', 'Birth Date' (with a calendar icon), 'Email', and 'Phone'. The form is designed with a light blue background and white input fields.

Summary

- Screen Templates
 - Creating Template-based Screens
 - Sample Data
 - Replace Data
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Thank You!