



Building Reactive Web Forms

Users Interaction

Displaying and Editing a Record

Forms and Inputs

How Data is Stored

Submit Data

Users Interaction

- Users often need to edit and submit data
- Data can have different formats and data types
 - Text fields
 - List of options
 - Date pickers
- Input widgets are used to allow these interactions

Flash cleaning product

Name *

Flash cleaning product

Description *

Ideal for cleaning almost any hard surface in your home. Use it on the kitchen sink, greasy stovetops, even as a floor cleaner. See package for full usage instructions. A rinse is required for surfaces in direct contact with food.

Price *

3.3

Available Since *

12/01/2018

Has Stock

☒

Product Type

Electronics

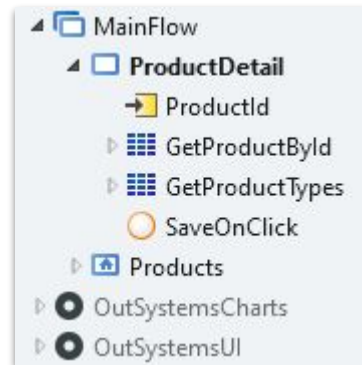
Save

Displaying and Editing a Record

- Fetch data from the database and display it on Screen
- Input Widgets allow end-user to add / change the data

The form is titled 'Name' and contains the following fields:

- Name:** A text input field.
- Description:** A large text area.
- Price:** A text input field.
- Available Since:** A text input field with a placeholder 'mm/dd/yyyy'.
- Has Stock:** A toggle switch.
- Product Type:** A dropdown menu with 'Electronics' selected.
- Save:** A black button with white text.



Displaying and Editing a Record

- Fetch data from the database and display it on Screen
- Input Widgets allow end-user to add / change the data

1 Name

2 Description

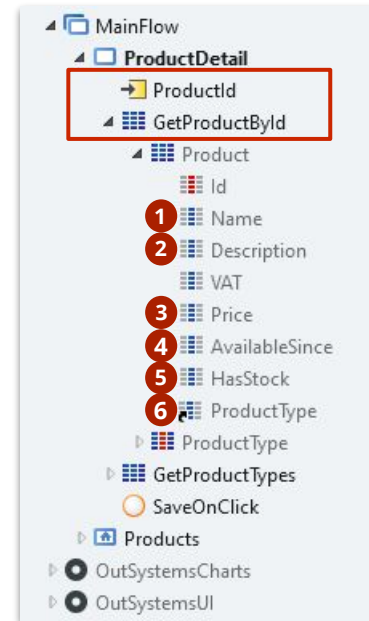
3 Price

4 Available Since

5 Has Stock

6 Product Type

Save



Input Widgets



Input



Radio Group



Button Group



Dropdown



Text Area



Checkbox



Switch

Input and Text Area

Input expects text, numbers and dates

Name *

Anti-Bacterial Hand Sanitizer

Price *

4.25

Available Since *

12/01/2018 ▼

Text Area is a multi-line field that expects text

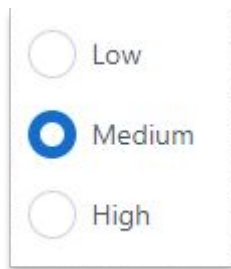
Description *

Hand sanitizer to help decrease bacteria on the skin, Use when water, soap and towel are not available. Recommended for repeated use.



Radio Group and Button Group

Radio Group expects a group of radio buttons that provides a small number of options for the user to choose from



☐ Low

☒ Medium

☐ High

Button Group expects a group of buttons that provides a small number of options for the user to choose from



Low Medium High



Low Medium High

Checkbox and Switch

Checkbox allows a user to check or uncheck an option



Switch is a toggle control that allows a user selecting between two options



Dropdown

Displays a List of records from which a user can select a value



Product Type

Cleaning ^

Electronics

Stationery

Books

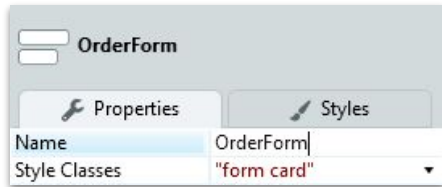
Videos

Cleaning



Form

- Groups input widgets together
- Useful to validate user data



Name

Description

Price

Available Since

mm/dd/yyyy

Has Stock

Product Type

Electronics

Save

Where is the Data?

- All input widgets have a Variable property
- The value in each input field will be stored in the Variable

The screenshot displays the OutSystems Studio interface. On the left, a form widget is shown with an input field labeled 'Input_Name' and a text area labeled 'Description'. On the right, the 'Properties' panel for the 'Input_Name' widget is open. The 'Variable' property is highlighted with a red box, showing its value as 'GetProductById.List.Current.Product.Name'. Other properties like 'Input Type', 'Max. Length', 'Mandatory', 'Enabled', and 'Style Classes' are also visible.

Name	Input_Name
Variable	GetProductById.List.Current.Product.Name
Prompt	
Input Type	Text
Max. Length	50
Mandatory	True
Enabled	True
Style Classes	"form-control"
Attributes	

A: Label

- Displays text to describe an input field
- Input Widget property creates an association with the selected input field
- Provides a visual cue when associated with a mandatory field

Name *

Flash cleaning product

A: Label
Name

A: Label
Properties
Name
Input Widget **Input_Name** ▼
Style Classes ▼

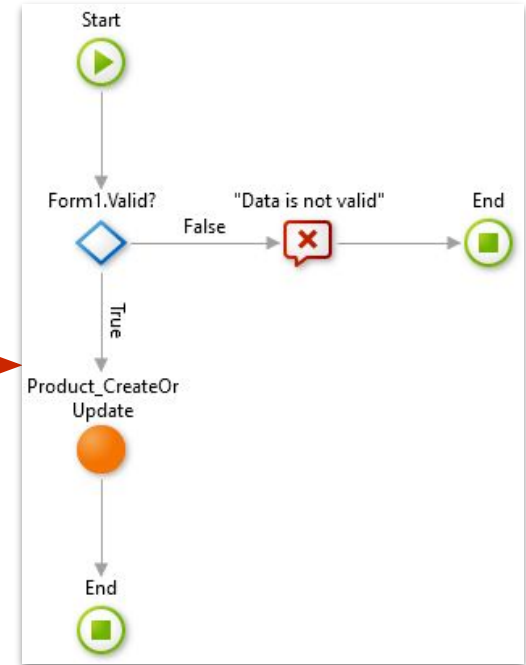
Submitting the Data

- A Form can also have other widgets
- A Link / Button can trigger a Screen Action

The form contains the following elements:

- Price:** A text input field.
- Available Since:** A date input field with the placeholder text "mm/dd/yyyy".
- Has Stock:** A toggle switch.
- Product Type:** A dropdown menu with "Electronics" selected.
- Save:** A black button with white text.

Red arrows indicate the flow of data submission: one arrow points from the "Available Since" field to the "Form1.Valid?" decision diamond in the flowchart, and another arrow points from the "Save" button to the "Product_CreateOr Update" action circle.



Questions?

Thank you
