

# openSAP course Build Your Own SAP Fiori App in the Cloud – 2016 Edition

## Develop Challenge

### Story

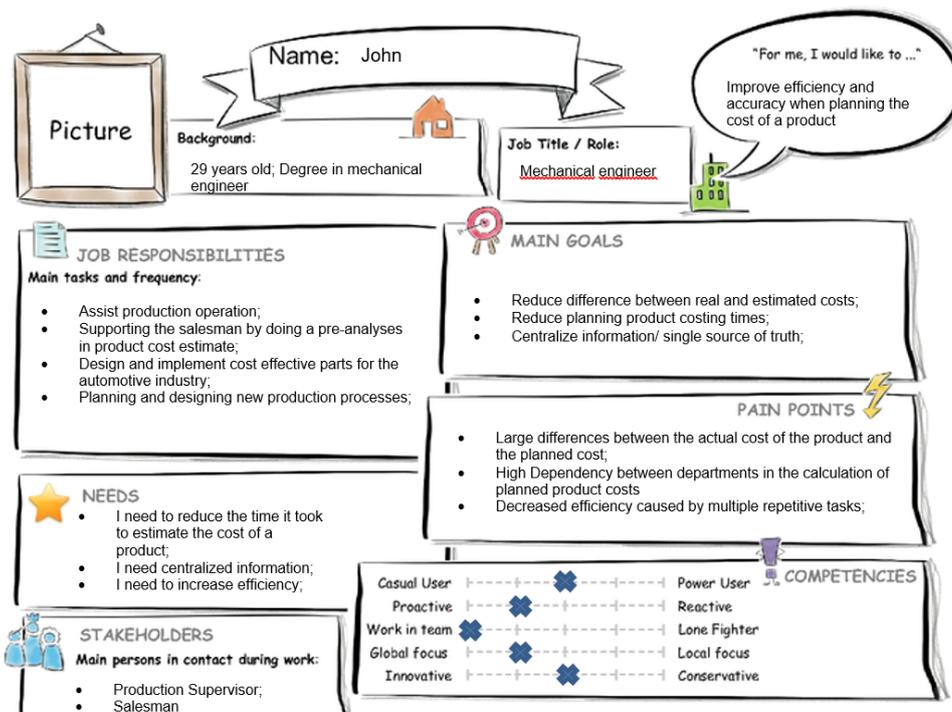
A company in the automotive industry found that there is a big difference between the planned and real production costs of a product. The planned cost of the product it's calculated with the support given by the engineering department to the sales man at the time of quotation.

It was found that there are several files containing rates and material compositions in separate computers in the engineering department, potentially leading to data inconsistency.

The idea behind this application is to make an estimated calculation cost of a particular product by breaking down its components and associated services in its production process. Typically in various industries to get the price of a product is necessary to make its decomposition into several parts. Through this decomposition we can understand better the production process and which are the components associated with a particular finished product and determining more accurately the production cost.

The application is used by the engineering and production departments in the automotive industry, and can also be shared by the sales department so that they can find the work done by the engineering team and create a sales quotation based on this.

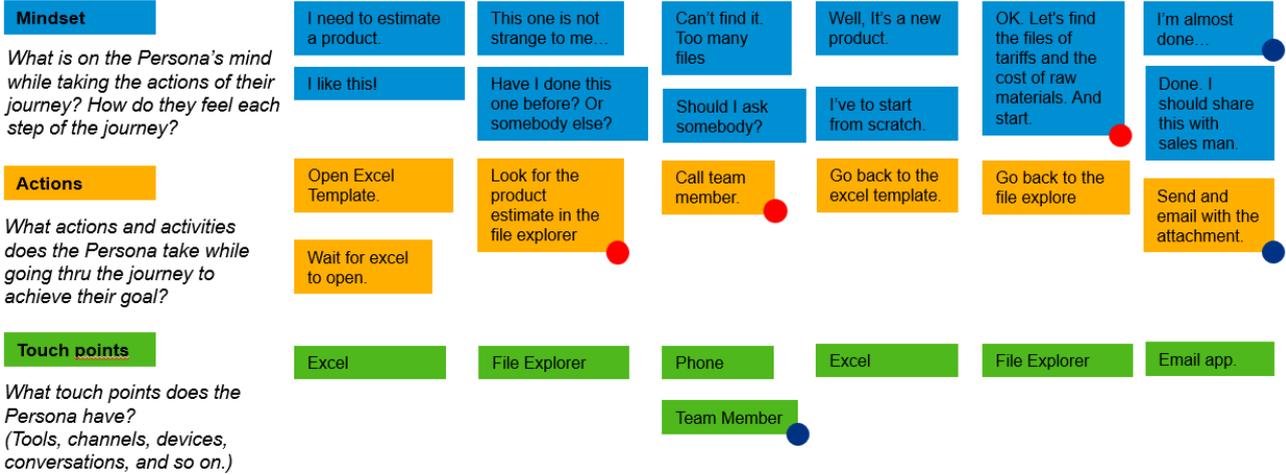
### Persona



# User experience Journey

## Current User Experience Journey

Duration of the Journey: 4 hours



## Point of View

John needs to increase efficiency and accuracy when estimating the costs of the product by centralizing all the information.

## Study

<https://standard.experiencesplash.com/home/projects/fece5fbba88ade370bb4a81d/research/participant/ed92eabb36c3c01e0bb556af>

## Video

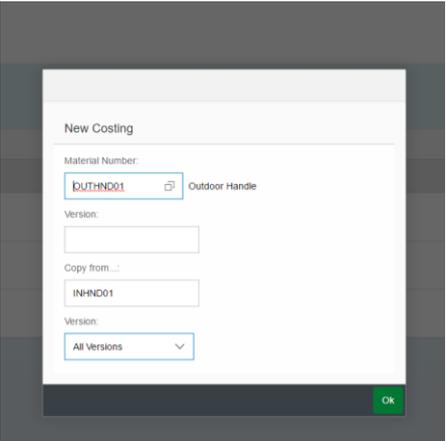
<https://youtu.be/zmCbe5xHo4M>

# Mockup (Splash/Build)

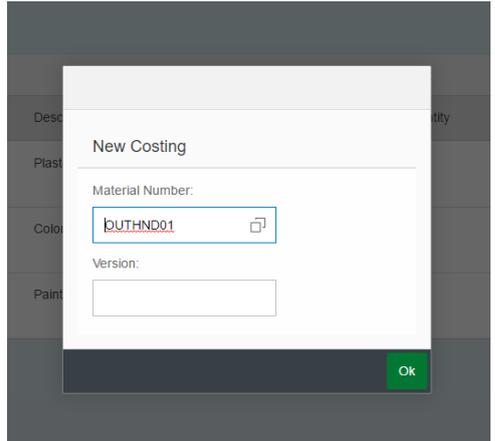
## Main page

| List Page Header   |   | Detail Page  |  |
|--|---|--|--|
| Search <input type="text"/><br>INHND01<br><b>Indoor Handle</b> 110,00 EUR<br>Version 1 Completed | INHND01<br><b>Indoor Handle</b> 110,00 EUR<br>Version 1 Completed | Type<br><b>Raw Material</b><br>XPL01                               | Description<br>Plastic<br>Quantity<br>50 G<br>Total Price<br>20 EUR    |
| OUTBMP01<br><b>Bumper</b> 212,55 EUR<br>Version 2 Completed                                      | Header Text   | Type<br><b>Raw Material</b><br>PNT01                               | Description<br>Color Black<br>Quantity<br>5 L<br>Total Price<br>40 EUR |
| OUTHOOD01<br><b>Hood</b> 120,00 EUR<br>Version 6 In Progress                                     | Type<br><b>Labor</b><br>PNT01                                     | Description<br>Painter<br>Quantity<br>2 H<br>Total Price<br>50 EUR |  |
| OUTHND01<br><b>Outdoor Handle</b> 110,00 EUR<br>Version 1 In Progress                            |   |  |  |

Copy a product and its estimated cost to a new product:



Create a new empty cost estimate for a product:



## Estimated components for a product:

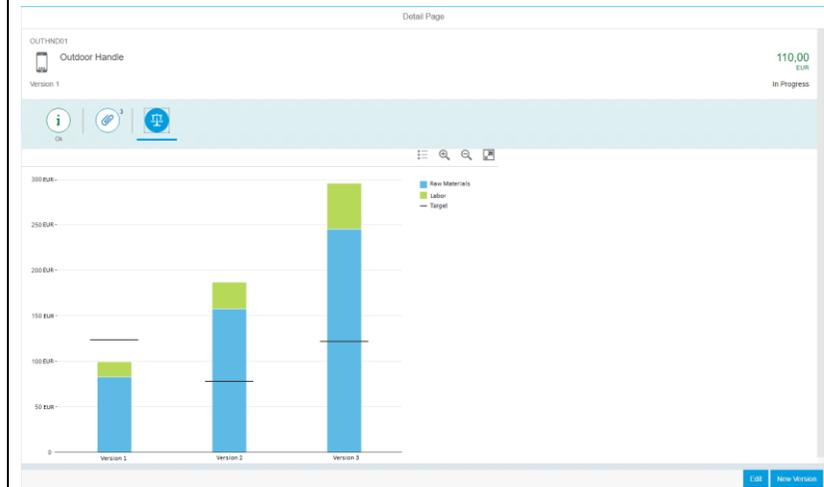
| List Page Header  |   | Detail Page |             |
|---|---|-------------|-------------|
| OUTHND01<br><b>Outdoor Handle</b> 110,00 EUR<br>Version 1 In Progress | OUTHND01<br><b>Outdoor Handle</b> 110,00 EUR<br>Version 1 In Progress | Components  |             |
| Component   | Description   | Quantity    | Total price |
| Raw Material<br>XPL01   | Plastic   | 50 G        | 20 EUR      |
| Raw Material<br>PNT01   | Color Black   | 5 L         | 40 EUR      |
| Labor<br>PNT01  | Painter   | 2 H         | 50 EUR      |

## Manage versions of product costing:

Outdoor Handle 110,00 EUR In Progress

| Version   | Total Price | Active/Inactive                     |
|-----------|-------------|-------------------------------------|
| Version 1 | 110,00 EUR  | <input checked="" type="checkbox"/> |
| Version 2 | 120,00 EUR  | <input type="checkbox"/>            |
| Version 3 | 133,25 EUR  | <input type="checkbox"/>            |

## Comparing versions and its costs:



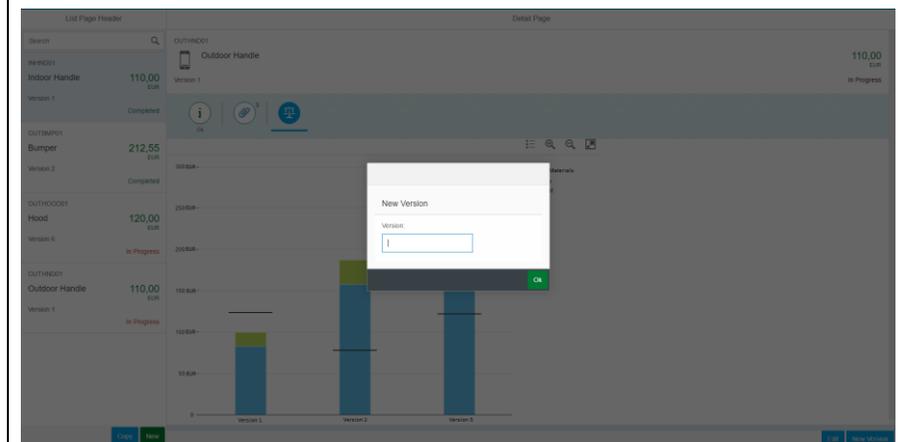
## Edit components in a version a product costing:

Product Costing - OUTHND01

Material Number: OUTHND01  
Version: Version 1  
Type: [dropdown]  
Identification: [input]  
Quantity: [input]  
Price: [input]

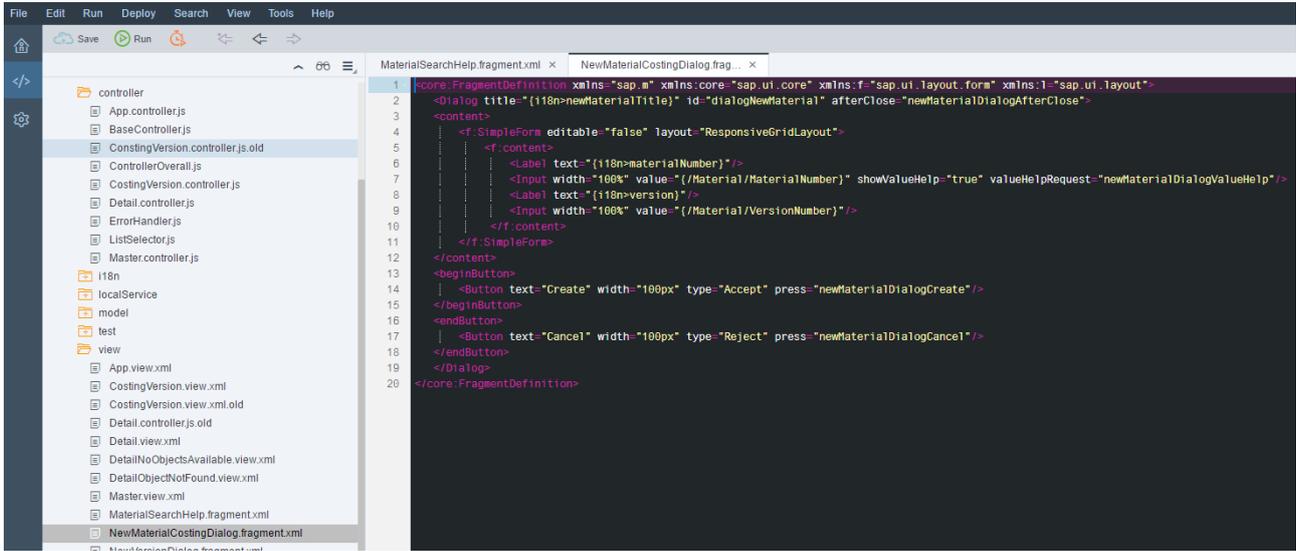
| Component          | Description | Quantity | Total Price |
|--------------------|-------------|----------|-------------|
| Raw Material XPL01 | Plastic     | 50 g     | 20,00 EUR   |
| Raw Material PNT01 | Color Black | 5 L      | 40,00 EUR   |
| Labor PNT01        | Painter     | 2 H      | 50,00 EUR   |

## Create an empty version and start estimating a product by adding its components and services:



# SAP Web IDE

## New Material Costing PopUp



## Stacked Column



## Add component to Version:

