

SAP Fiori UX - Final Assignment

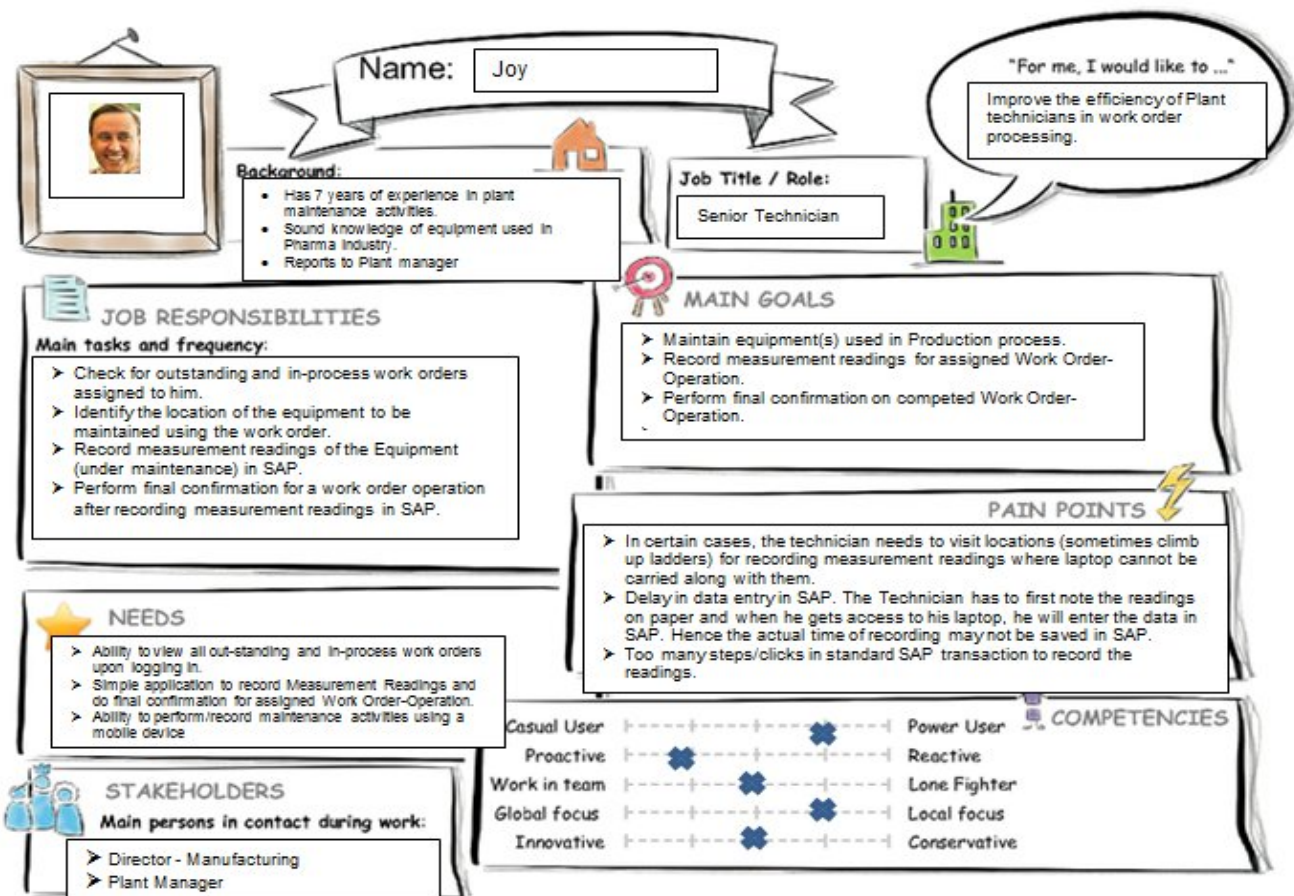
Story:

Excel Pharma is one of the budding organizations in Pharma industry. Manufacturing is one of the vital processes of the whole system and instruments play an important role in the production process. An instrument/equipment needs to be up to the standards to be able to produce desired products. Maintenance activities must be performed on a regular basis or when required. Delay in maintenance activities could affect production process in turn leading to loss of revenue.

Tracking and performing maintenance activities for equipments in plants is a very critical and painstaking process. In SAP maintenance plans and work orders are created to track/perform maintenance activities for equipment(s). Each work order can have one or more operations to be performed on given equipment.

Here we would be just focusing on Work Order processing. Currently SAP provides standard transactions to process work orders. These standard transactions have lot of screen elements that technicians (working on work order operations) do not use frequently to process the work order. The idea here is to simplify the work-order completion process through an application built on SAP-Fiori design principles.

Persona:



User Experience Journey

Current User Experience Journey

Duration of the Journey: **90 mins**

Mindset

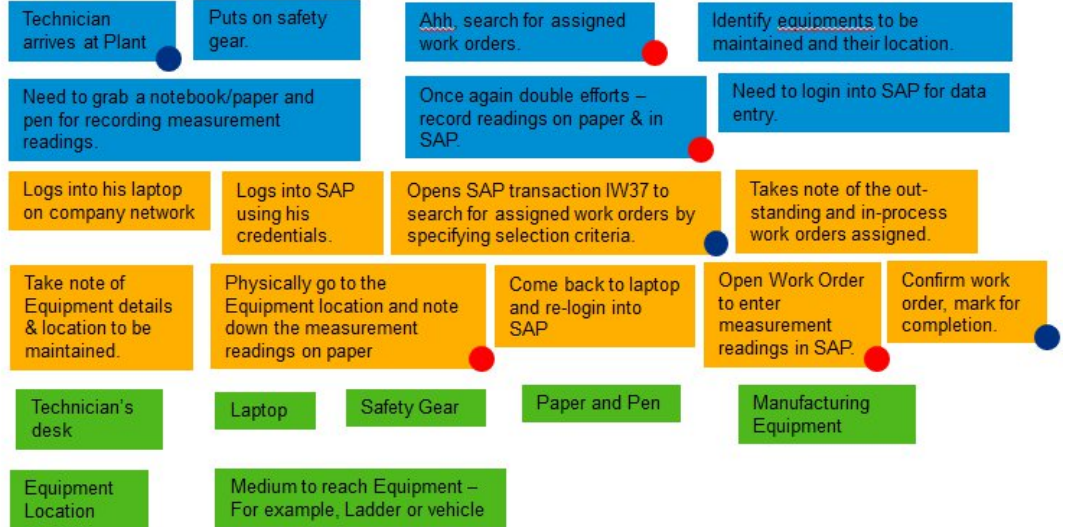
What is on the Persona's mind while taking the actions of their journey? How do they feel each step of the journey?

Actions

What actions and activities does the Persona take while going thru the journey to achieve their goal?

Touch points

What touch points does the Persona have? (Tools, channels, devices, conversations, and so on.)



Work Order App Prototype:

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Work Orders(14) | Work Order Details

Search

2001001962 | **7,500.00** USD | **Today**

3 Operations | May 12, 2015

Order Type: **PM07 - Inspection and Rounds**
 Description: **Thermometer maintenance**
 System Status: **REL**
 Functional Location: **EXL-PRD-FM0711-GB02**
 Equipment: **10040934**

Operations (3)

Description	Plant	Efforts	Operation Confirm
Test PRT operation 1	1008	00.00 HR	<input checked="" type="checkbox"/>
Test PRT operation 2	1005	00.00 HR	<input type="checkbox"/>
Test PRT operation 3	1008	00.00 HR	<input type="checkbox"/>

Save | Complete

Excel Pharma Joy

Work Orders(14) Work Order Details

Search 🔍 ↻

2001001962	7,500.00 USD
3 Operations	May 12, 2015
2001001956	10,000.00 USD
4 Operations	May 11, 2015
2001001949	4,450.00 USD
2 Operations	May 08, 2015
2001001947	1,900.00 USD
1 Operation	May 07, 2015
2001001943	1,775.00 USD
1 Operation	May 07, 2015

2001001962

7,500.00
USD

Today

i
📅

Location and Accounting:

Location:	B85
Room:	56
Work Center:	35638
ABC Indicator:	1
Company Code:	1000
Cost Center:	146

↕
Save
Complete
📄

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Work Orders(14) Work Order Details

Search Measurement Documents

2001001962	7,500.00 USD	3 Operations	May 12, 2015	Operation: 0010 Measured on: 05/14/2015 / 09:25:34																
2001001956	10,000.00 USD	4 Operations	May 11, 2015	<table border="1"> <thead> <tr> <th>Meas. Point</th> <th>Description</th> <th>Reading</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>726</td> <td>Thermometer - External Reading-1</td> <td>118.82</td> <td>°F</td> </tr> <tr> <td>718</td> <td>Thermometer - Upper vessel Reading</td> <td>125.45</td> <td>°F</td> </tr> <tr> <td>524</td> <td>Thermometer - Lower vessel Reading</td> <td>129.65</td> <td>°F</td> </tr> </tbody> </table>	Meas. Point	Description	Reading	Unit	726	Thermometer - External Reading-1	118.82	°F	718	Thermometer - Upper vessel Reading	125.45	°F	524	Thermometer - Lower vessel Reading	129.65	°F
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2001001949	4,450.00 USD	2 Operations	May 08, 2015																	
2001001947	1,900.00 USD	1 Operation	May 07, 2015																	
2001001943	1,775.00 USD	1 Operation	May 07, 2015																	

Work Order App

The screenshot shows the 'Work Order' details page for work order 300000030. The left sidebar lists several work orders with their values and dates. The main content area shows the work order number 300000030 with a value of 18,578.28 USD, dated Feb 24, 2015. Below this, there is a 'General Information' section with the following details:

- Order Type: PM07 - Inspection and Rounds
- Description: Centrifuge maintenance
- Functional Location: EXL-PRD-FM0711-GB02

The 'Operations (7)' section contains a table with the following data:

Description	Sch. Complete Date	Efforts	Confirmation
PRT Operation-1	Mar 3, 2015	3	<input checked="" type="checkbox"/>
PRT Operation-2	Mar 3, 2015	2	<input type="checkbox"/>

At the bottom right, there are 'Save' and 'Complete' buttons.

The screenshot shows the 'Work Order Details' page for work order 300000020. The left sidebar lists several work orders with their values and dates. The main content area shows the work order number 300000020 with a value of 7,307.73 USD, dated Feb 24, 2015. Below this, there is a 'Measurement Readings' section with the following details:

- Operation: 0020
- Measured on: May 13, 2015 / 01:30:27

The 'Measurement Readings' table contains the following data:

Measuring Point	Description	Reading	Unit
726	Upper Centrifuge	12	°F
728	Lower Centrifuge	14	°F
789	Middle Centrifuge	45	°F

A dropdown menu is open for the 'Unit' column of the third row, showing options: °F, °C, Pound, Kilogram, Meters, and Millimeter.

Application Preview x

https://webide-p372564trial.dispatcher.hanatrial.ondemand.com/resources/~c11588532fde86dabcf3ff898b8f3e468fdf84e4~/sap/watt/common/plugin/pre

Large 100% x 100% Medium 800 x 600 Small 320 x 480 Custom 480 x 800 Refresh Orientation

Work Orders (20) Work Order

Search			
300000030	18,578.28 USD	300000030	18,578.28 USD
7 Operations	Feb 24, 2015		Feb 24, 2015
300000020	7,307.73 USD		
9 Operations	Feb 24, 2015		
300000022	11,420.43 USD		
2 Operations	Feb 24, 2015		
300000023	637.24 USD		
4 Operations	Feb 24, 2015		
300000024	23,579.85 USD		

300000030

18,578.28 USD

Feb 24, 2015

Location and Accounting

Location: B85
Room: 56
Work Center: 35659
ABC Indicator: 1
Company Code: 1000
Cost Center: 167

Save Complete