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

developCHALLENGE - Fiori

Story

Segmentation> The industry of Software Development is very competitive and wide. Nowadays, it is not enough to have a good idea, you must also have the right people and assure the quality of your product, in this case the quality of your code!
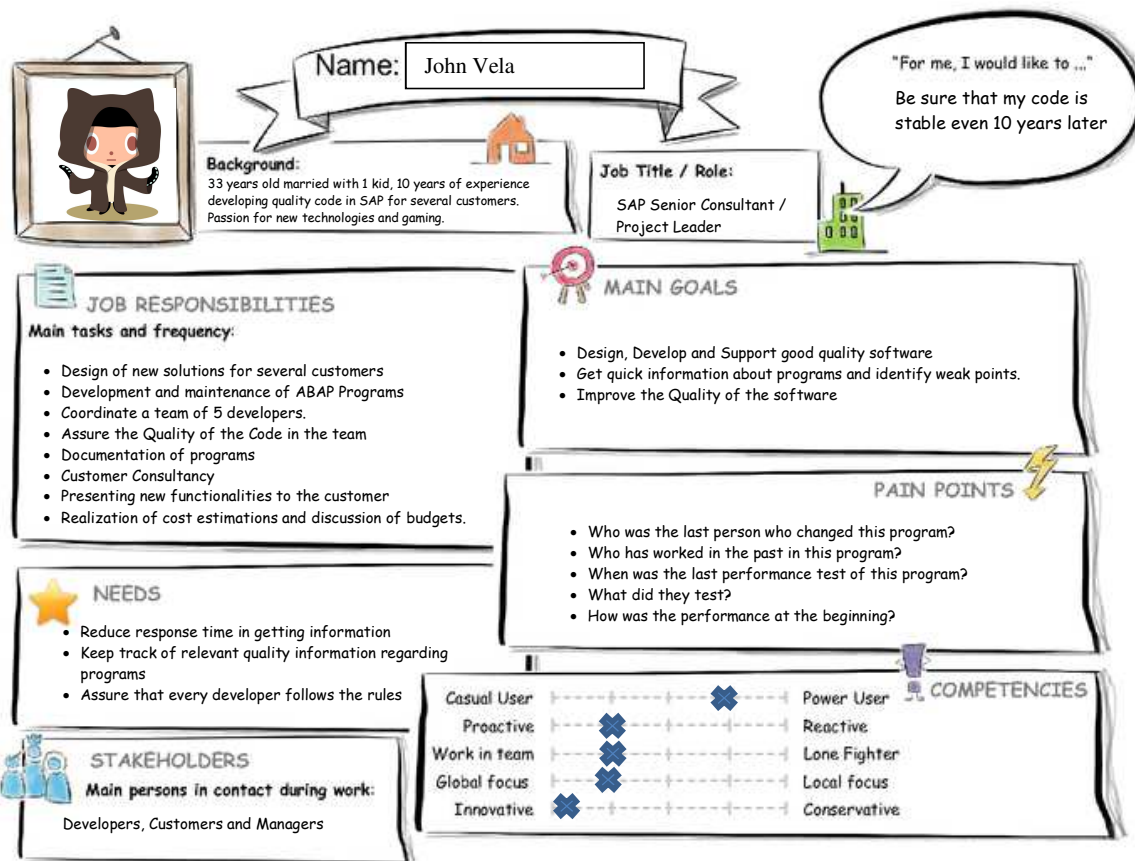
Targeting> There are several ways to measure the quality of your software and make sure that it meets the expectations of the market and/or customer in terms of performance, simplicity, translations, and most importantly the avoidance of unexpected situations.

Positioning> Sometimes it is hard to keep track of the software when it is too old and the documentation does not even exist; therefore it can be argued that to have information about each program stored in an app would make things easier for developers, future developers, quality managers, testers, and coordinators (just to name some of the people involved in the software development). Besides that, the final result of the software would improve.

As an example, we can look at the life of John an ABAPER who is taking his first steps in SAPUI5; but he still needs to keep track of his old programs and assure the quality of them.

Persona: John Vela

Name: John Vela

"For me, I would like to ..."
Be sure that my code is stable even 10 years later

Background:
33 years old married with 1 kid, 10 years of experience developing quality code in SAP for several customers. Passion for new technologies and gaming.

Job Title / Role:
SAP Senior Consultant / Project Leader

JOB RESPONSIBILITIES
Main tasks and frequency:

- Design of new solutions for several customers
- Development and maintenance of ABAP Programs
- Coordinate a team of 5 developers.
- Assure the Quality of the Code in the team
- Documentation of programs
- Customer Consultancy
- Presenting new functionalities to the customer
- Realization of cost estimations and discussion of budgets.

MAIN GOALS

- Design, Develop and Support good quality software
- Get quick information about programs and identify weak points.
- Improve the Quality of the software

PAIN POINTS

- Who was the last person who changed this program?
- Who has worked in the past in this program?
- When was the last performance test of this program?
- What did they test?
- How was the performance at the beginning?

NEEDS

- Reduce response time in getting information
- Keep track of relevant quality information regarding programs
- Assure that every developer follows the rules

COMPETENCIES

Casual User	---X---	Power User
Proactive	X---	Reactive
Work in team	X---	Lone Fighter
Global focus	X---	Local focus
Innovative	X---	Conservative

STAKEHOLDERS
Main persons in contact during work:

Developers, Customers and Managers

Mock up
Access the Mock up through the following link

https://standard.experiencesplash.com:443/api/projects/e2852984fe0236a30baa0365/prototype/snapshot/latest/index.html#/1457991778145_S0

Study
Access the Study through the following link

https://standard.experiencesplash.com/home/projects/e2852984fe0236a30baa0365/research/participant/adc4be3c1b75b16f0baa1af8

SAP®

openSAP

Point of View

As it was said before, the main goal of this app is to assure the quality of the software in a company and keep track of every change. It is intended to be used for developers, administrators and any user with technical knowledge.

The mock up is just one simple Master – Detail application that will stored the software/applications developed or assign to each department / responsible person.

Master
On the right side there are located the Software (name and/or transaction – id – programming environment, department, client).

Detail
The detail view contains three tabs to display: <u>General information</u> about the app (team involved, Graphic User Interface Notes, Back End notes, Creation date…); <u>The Quality Plan</u> followed during and after the development process (Tests) and the <u>Change Request</u> for the software (changes).

Figure 1: Splash Mockup

SAP Web IDE App Prototype

The previous mockup has been modified during the prototype phase and more information has been added to the application. (Two new tabs and more detailed information about the software, people and status)
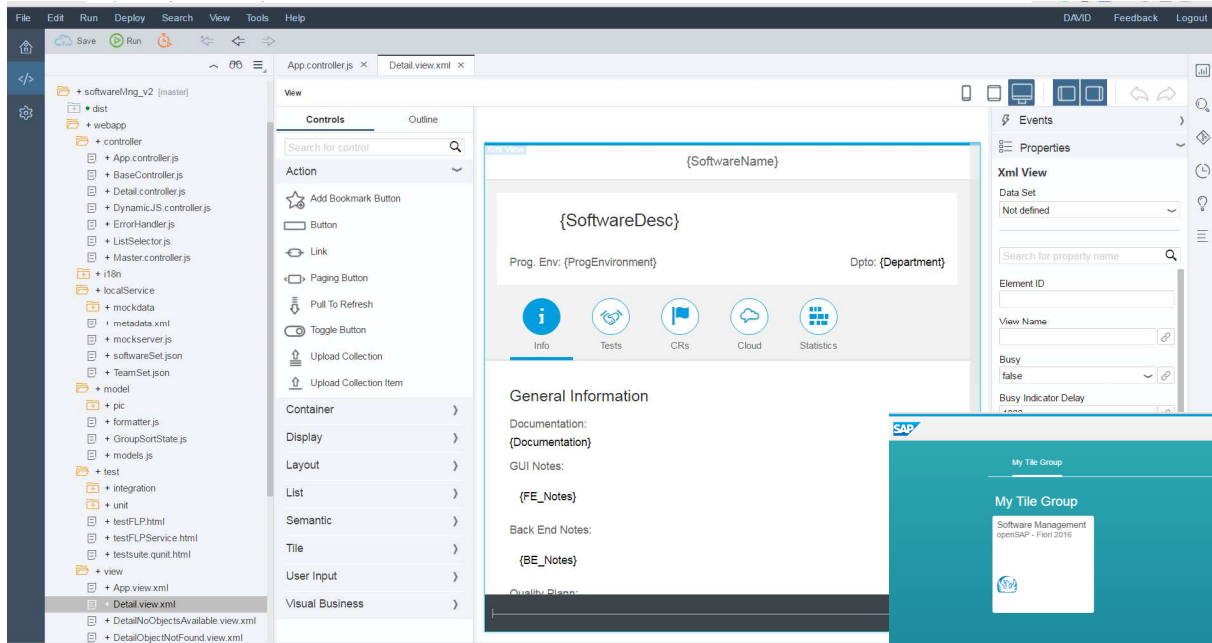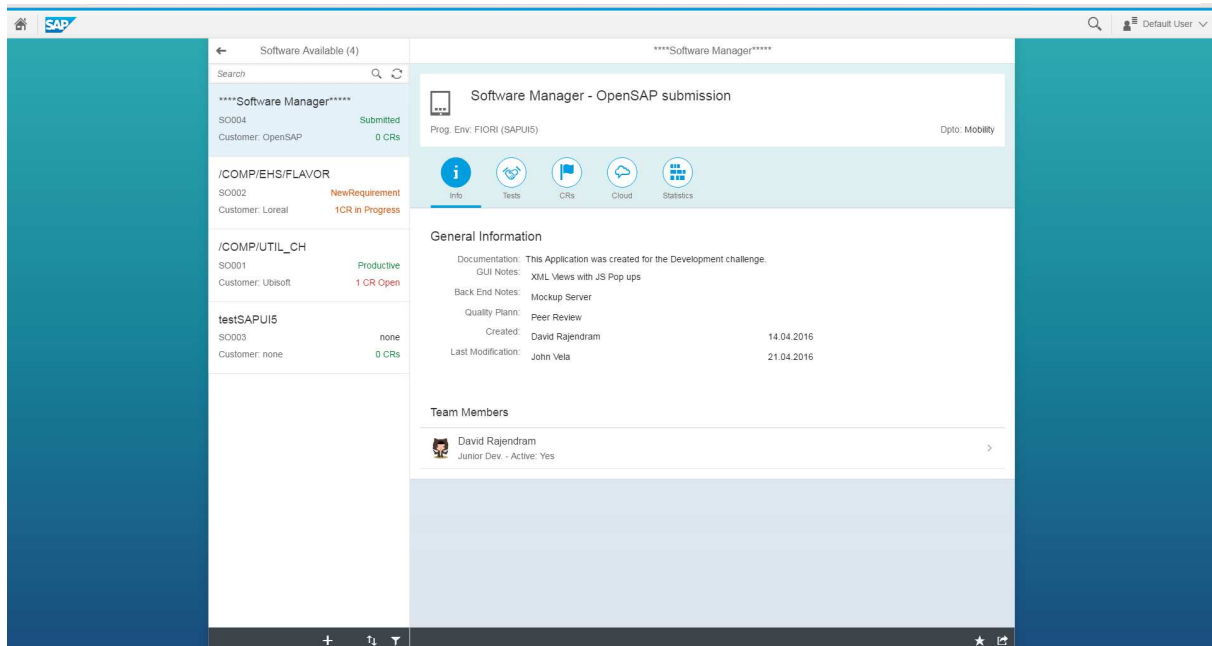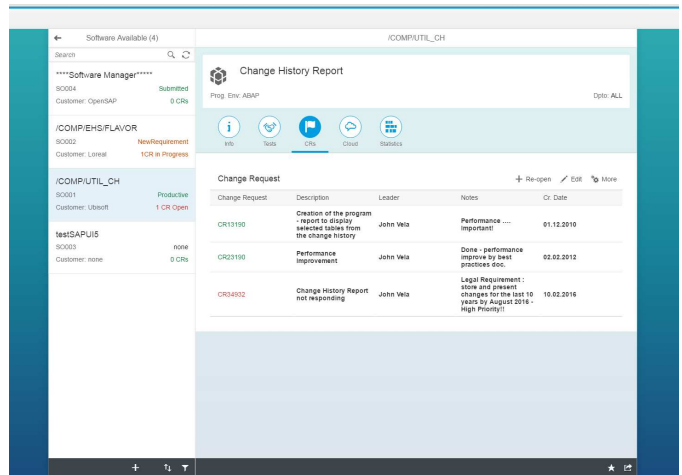

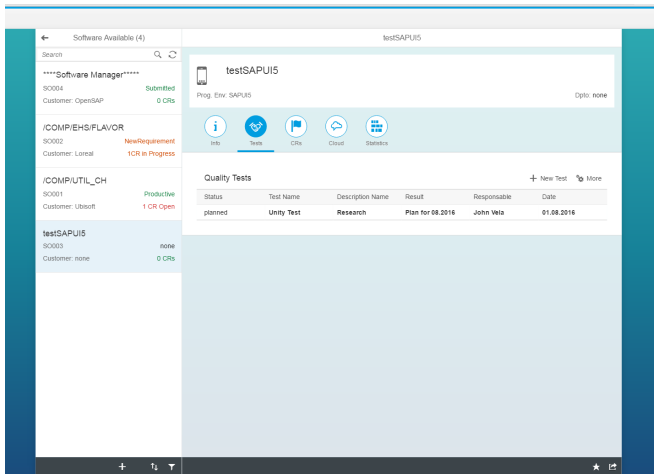Figure 2: WebIDE + Deployment in Fiori Launchpad
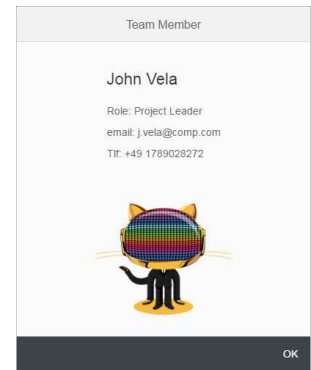
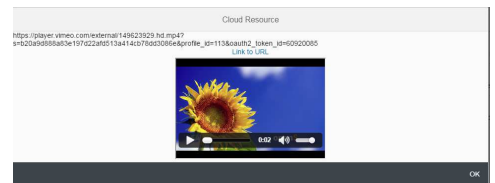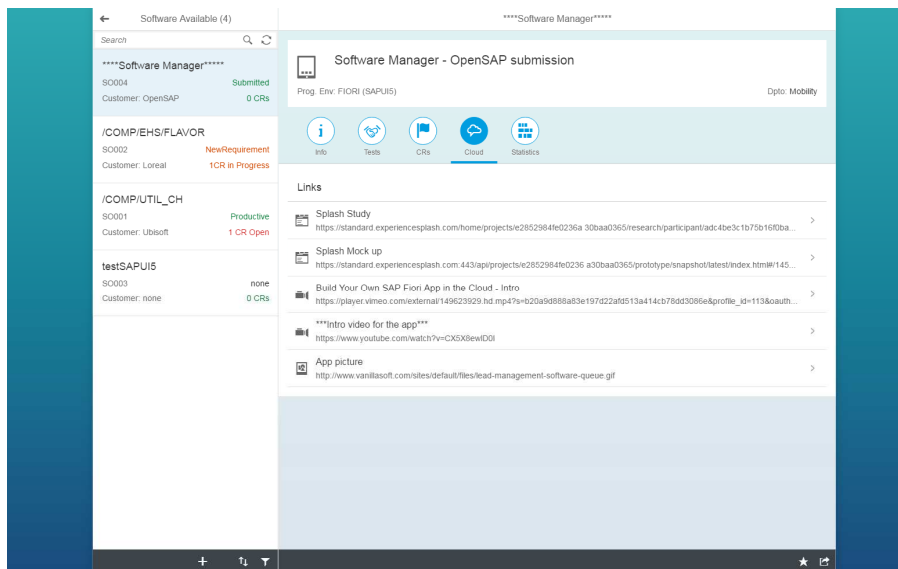

Figure 3: App Prototype

Figure 4: Tests + CRs Tabs

Figure 5: Cloud tab + Pop Ups

Video

The following video describes in a more detailed way the prototype developed in the SAP Web IDE. (3 minutes)

Video transcript:

This is the Software Management application.

On the right side you can see the software available in your department or under your responsibility. The master items has two attributes the ID and the Customer and two status: a global one and the number of Change Request / incidents.

In this example we can see that the first software available is this application: The software management with the global status is submitted.

Then, you are able to see that you have a new development in process related to the EHS module for the customer Loreal; a change history program in production and with a CR open, and a local test application in SAPUI5.

Let's start with the software manager to get to know a bit more how it has been developed. – In the detail view we can see one header with the description, the programming environment and the department of the selected software. Then, there are five tabs:

1. General information - here you can see the documentation available for this software, some GUI and Back End information; the Quality Plan description and basic information such as Creation date, creation person and modification inf. Also, you can see the team and people responsible for this application. If you click the element in the list you will get more information about David.

2. Test – it was just submitted a few moments ago; so there are no tests so far but it is planned a peer review starting on 21.04.2016.

3. CRs – there is no Change Requests

4. Cloud – here you can see the cloud resources for this software. There are three types of cloud resources: videos, pictures and website links.

5. Let's ignore the statistic tab for the moment because it is still under development and let's take a look to a practical example like checking which team is involved in the New Requirement and who is in charge of the open CR.

    a. New requirement team – check status

        i. John; David and Carmen – John has a nice picture. Here you can call John and ask for status once you has finished talking with John you can check the open CR.

    b. Let's check the CR open for the Change History report.

        i. We can see that the responsible is again John and that the CR was created on February and probably it is related to performance….

        ii. If we check the tests we can see that Jose did the last test and it was negative.

        iii. The statistic button will be helpful when it is ready because it is planned to show the user access to the application. At the moment is just one picture; but it is intended to display number of access and the result of the access – (number of dumps).

That's all I have to say about this application. I hope you enjoyed the video and you like the software manager.