

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

Week 7 – Develop Challenge

Create a Persona

Story

In today's schools there is a paper-based method to record data of students, for example absence-data. The teacher records the absence in the class register and then cross checks the information with the secretaries in the first break. Teachers and everyone involved in the absence process are actively seeking for real-time information to be on their fingertips.

That became the motivation to realize a solution, with the aid of **Fiori's UX design**, to resolve and streamline the process of complex and time intensive absence check.

The app is helpful in any school. It's very time intensive to go to the secretary and keep everyone up to date. So in a nutshell the administrative effort compared to the costs has to be profitable and **teachers, secretaries** and **principals** want real-time information without personally communication is needed.

Point of View

Monti, the teacher needs a way to **quickly enter times of student-absences on the go** so that **he can spend more personal touch with his students and class preparation.**

Study

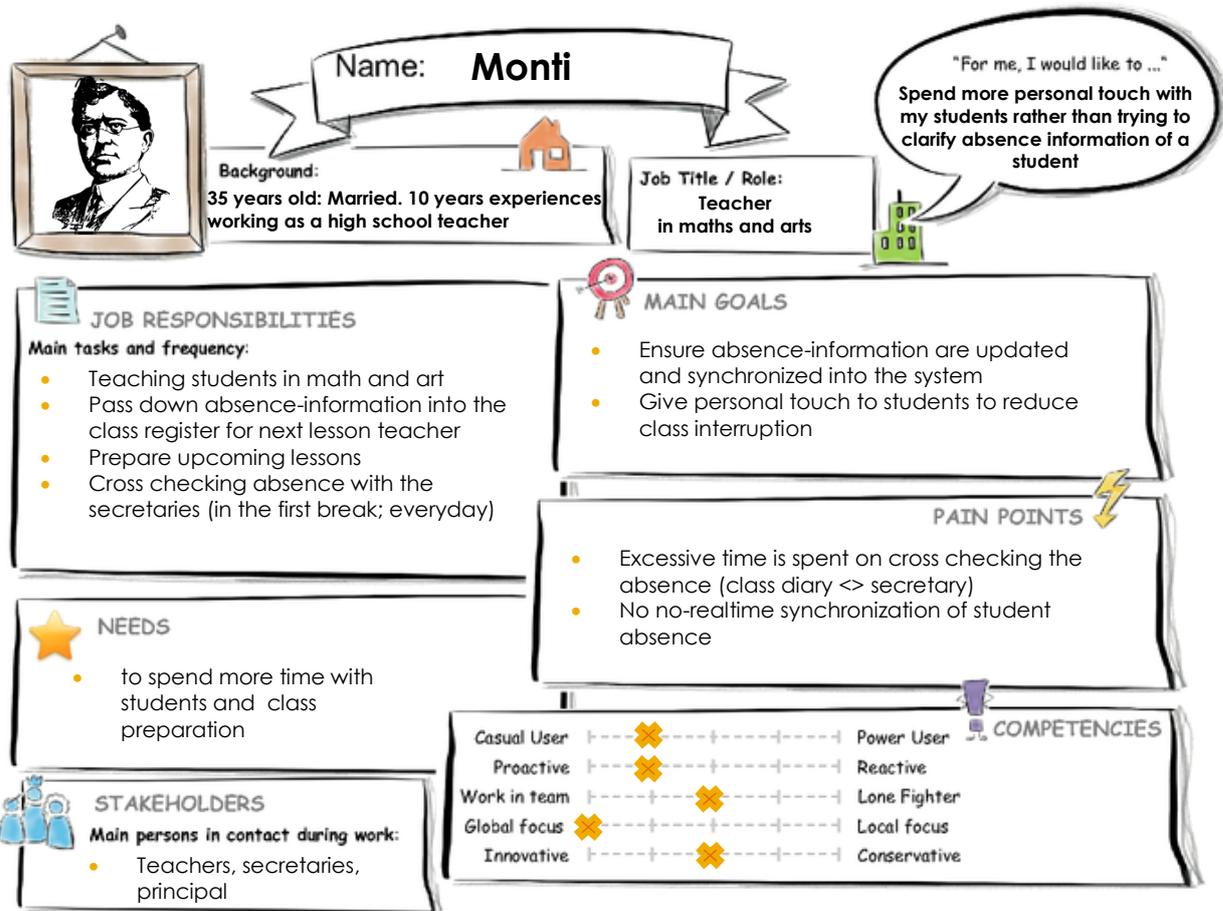
<https://standard.experiencesplash.com/home/projects/ce5b23f7522adac90baae6d5/research/participant/5e8d71bdbdde8a790bb41ffc>

YouTube Video:

https://youtu.be/f7Z_c6qDwPY



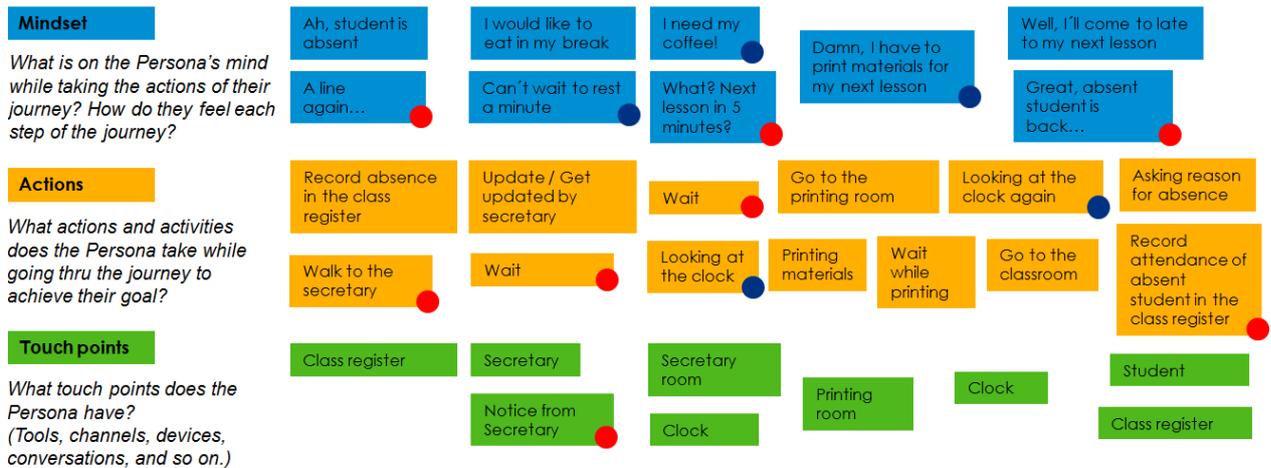
Create a Persona



User Experience Journey

Current User Experience Journey

Duration of the Journey: 20 min



Mockup (Design Challenge)

Classes		Class																	
<input type="text" value="Search"/>		EFM13	Math Room: 135 Today																
EFM13 Students: 5 Absent: 1	Math Room: 135 Today	Students: 5 Absent: 1																	
EF114 Students: 4 Absent: 0	Math Room: 204 Today	<div style="display: flex; justify-content: space-between;"> 5 STUDENTS ATTACHMENTS ABSENCE-TIMES </div>																	
EFA15 Students: 7 Absent: 3	Art Room: 177 Tomorrow	<table border="1"> <thead> <tr> <th>Lastname</th> <th>Forename</th> <th>Absent</th> <th>Absence Days (Total)</th> </tr> </thead> <tbody> <tr> <td>Ryan</td> <td>James</td> <td><input type="checkbox"/></td> <td>1</td> </tr> <tr> <td>Stuart</td> <td>Alan</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>Parker</td> <td>Bob</td> <td><input type="checkbox"/></td> <td></td> </tr> </tbody> </table>	Lastname	Forename	Absent	Absence Days (Total)	Ryan	James	<input type="checkbox"/>	1	Stuart	Alan	<input type="checkbox"/>		Parker	Bob	<input type="checkbox"/>		
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Parker	Bob	<input type="checkbox"/>																	
EFM15 Students: 6	Math Room: 135																		

5 STUDENTS
 ATTACHMENTS
 ABSENCE-TIMES

Lastname	Forename	Absent
Ryan	James	<input checked="" type="checkbox"/>

Absence recording

20.04.2016, ...

20.04.2016, ...

Sick v

Record
Cancel

Name/Reason	From (Date/Time)	To (Date/Time)	Excused	
James, Ryan Sick	Wed Jan 13 2016 09:00:00 GMT+0100 (Mitteleuropäische Zeit)	<div style="border: 1px solid gray; padding: 2px;"> Fri Jan 15 2016 01:00:00 </div>	<input type="checkbox"/>	
Parker, Bob Other (Overslept)	Wed Jan 13 2016 09:00:00 GMT+0100 (Mitteleuropäische Zeit)	<div style="border: 1px solid gray; padding: 2px;"> Wed Jan 13 2016 09:15:00 </div>	<input type="checkbox"/>	

Develop Challenge

App Detail/Master View showing Filter-Tab-Icon “Students”:

The screenshot displays the 'Class' detail view for 'EFA13 Arts'. The left sidebar shows a list of classes, with 'EFA13 Arts' selected. The main view shows the class details and a filter bar with three tabs: 'Students' (selected), 'Attachments', and 'Absences'. Below the filter bar is a table of students with their absence status.

Lastname	Forename	Absent	Absence Days (Total)
Rain	Heather	<input checked="" type="checkbox"/>	
Laiso	Stefano	<input checked="" type="checkbox"/>	1
Johnson	Hailey	<input type="checkbox"/>	
Darwin	Charles	<input type="checkbox"/>	

Students can be marked as absent and get recorded in the Absences-Tab.

The beginning of the course will be showed dynamically, so the teacher can see upcoming courses and also see which students are already marked as absent.

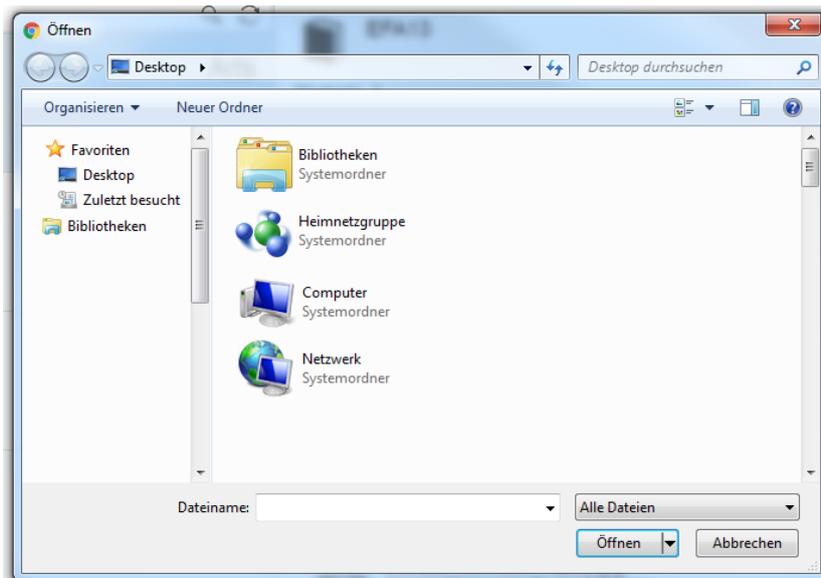
Filter-Tab-Icon "Attachments":

The screenshot shows a software interface with three filter tabs: "Students" (with a count of 4), "Attachments" (which is selected), and "Absences". Below the tabs, the heading "Anlagen (4)" is displayed with a plus sign to its right. A list of four attachments follows:

- Excuse_Rain_Heather.jpg**: 2016-03-27 08:29. Includes edit and delete icons.
- Excuse_Laiso_Stefano.pdf**: 2016-03-16 11:45. Includes edit and delete icons.
- Excuse_Johnson_Hailey.jpg**: 2015-10-10 14:06. Includes edit and delete icons.
- Excuse_Darwin_Charles.pdf**: 2015-10-08 13:03. Includes edit and delete icons.

A dark grey bar at the bottom of the interface contains a white envelope icon.

Attachments can be uploaded, changed or deleted.



Attachment jpg of Heather Rain:

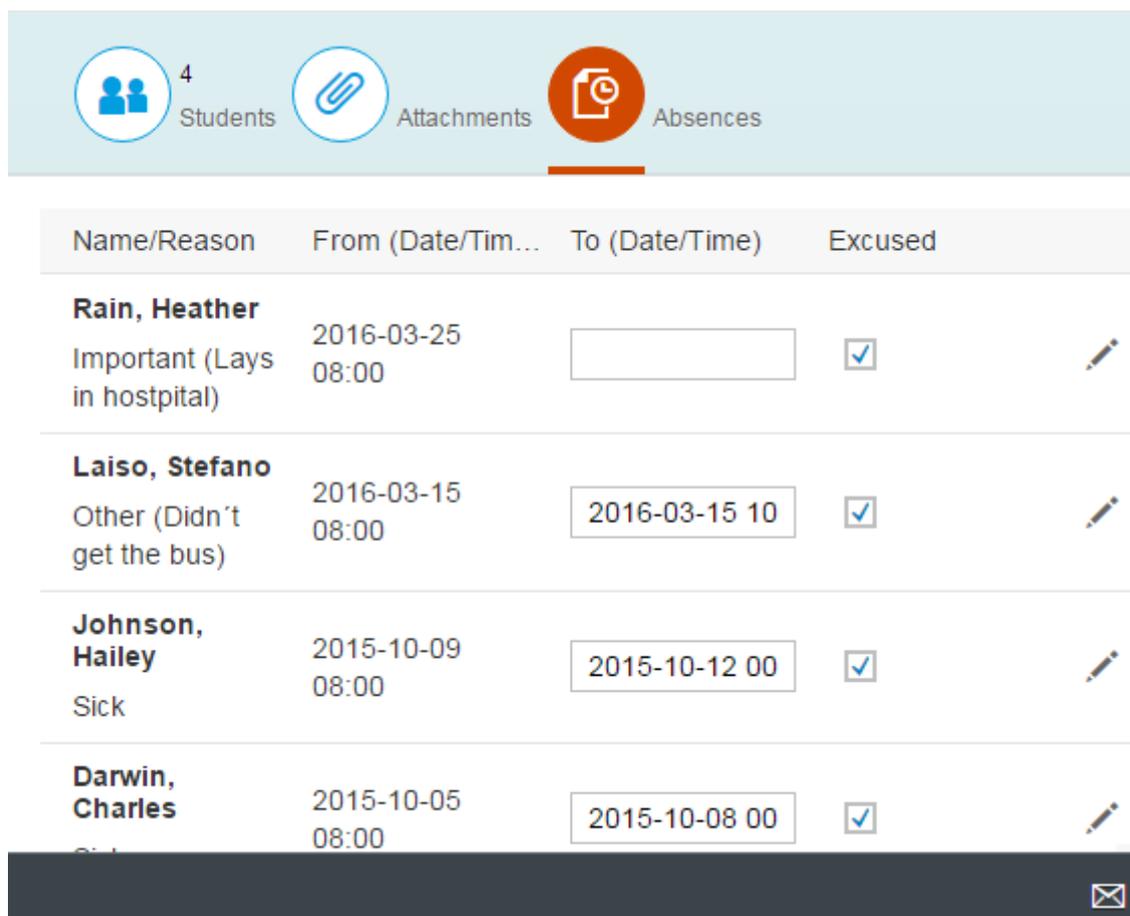
Dear Mr. Monti,

Heather is currently in the hospital.
She had problems with her appendix, so the doctors wanted to cut it out.

I don't know when Heather is healthy enough to come back to school, but I let you know when I get more infos.

Kind regards,
Norah Rain

Filter-Tab-Icon "Absences":



The screenshot shows a navigation bar with three tabs: 'Students' (4), 'Attachments', and 'Absences' (selected). Below the tabs is a table with columns: 'Name/Reason', 'From (Date/Time)', 'To (Date/Time)', and 'Excused'. The table contains four rows of absence records, each with an edit icon. A dark grey bar with an envelope icon is at the bottom right.

Name/Reason	From (Date/Time)	To (Date/Time)	Excused
Rain, Heather Important (Lays in hospital)	2016-03-25 08:00	<input type="text"/>	<input checked="" type="checkbox"/>
Laiso, Stefano Other (Didn't get the bus)	2016-03-15 08:00	2016-03-15 10	<input checked="" type="checkbox"/>
Johnson, Hailey Sick	2015-10-09 08:00	2015-10-12 00	<input checked="" type="checkbox"/>
Darwin, Charles Sick	2015-10-05 08:00	2015-10-08 00	<input checked="" type="checkbox"/>

It is possible to adjust the absence table (e.g. to enter the end date of student absence or mark a student as excused).