

Patient Tracker Mock FIORI App:

Story

Patient Tracker is a very basic level Master Detail Type FIORI application which will be used in Healthcare Institutions like Hospitals, Clinics etc for tracking Registered Patients with their Unique Patient Id. This will help the Hospitals/Clinics to identify the Medical History of Patients which will enable the Doctors to give better medical advice and more suitable medicines.

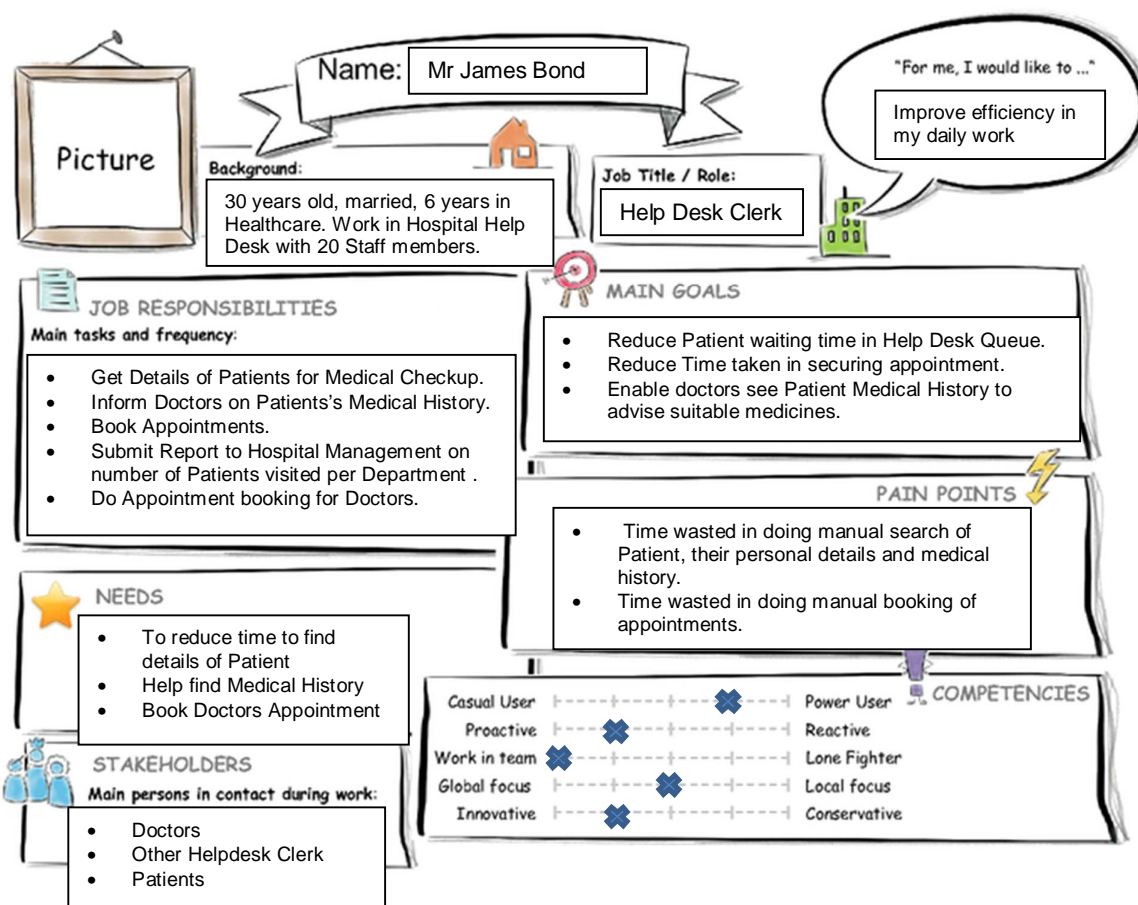
This application can be run by the **Help Desk Clerk** or **Doctors** themselves. As soon as any patient contacts the Hospitals/Clinics help desk via telephone or in person, the clerk can search the details like Personal and Medical History by entering the unique patient ID shared by the registered patient in the Patient Header Section. This ID generally is mentioned on the patient ID Card. The Master section will also mention the Age of the patient. There is a search option on the patient ID as well.

After pressing Enter, the Detail section would show details like Name and Address on "Basic Detail" Section. A Second tab called "Other Detail" will provide details about Contact Number, Last Visited date and Sex of the patient. The third tab called "Medical History" section will give details like Date of Visit, Department and Doctor Consulted in all earlier visits of the Patient.

Yet to be developed: A Button will be added to footer to seek Doctor's Appointment by the patient. It will have future Date, Time, Department and Doctor's name which the patients wants to book. The footer section will have two buttons- Book Appointment and Cancel.

NB: This mock Fiori App runs on Mock data using the Mock Service.

Persona



User Experience Journey of Help Desk Clerk

Current User Experience Journey

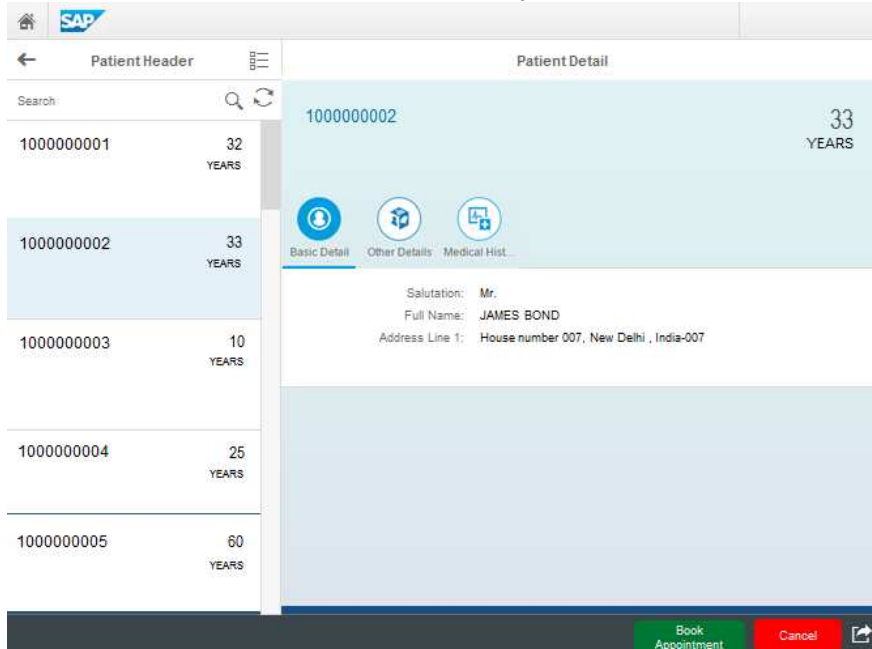
Duration of Journey : 20 mins



MOCK UP by using the Prototyping Kit

The Prototype has been made using SAP Fiori UX Prototyping Kit. The Icons has been used from sapui5.netweaver.ondemand.com/sdk/iconExplorer.html . The color pattern has been kept according to FIORI Standards. Buttons has standard Accept or Reject Color Tone.

1. Patient Header Section: Click on any Patient Id



The screenshot shows the SAP Fiori Patient Header section. On the left, there is a list of patients with their IDs and ages. The patient with ID 1000000002 and age 33 is selected. The main area displays the patient's details, including their name, address, and contact information. The 'Other Details' button is highlighted.

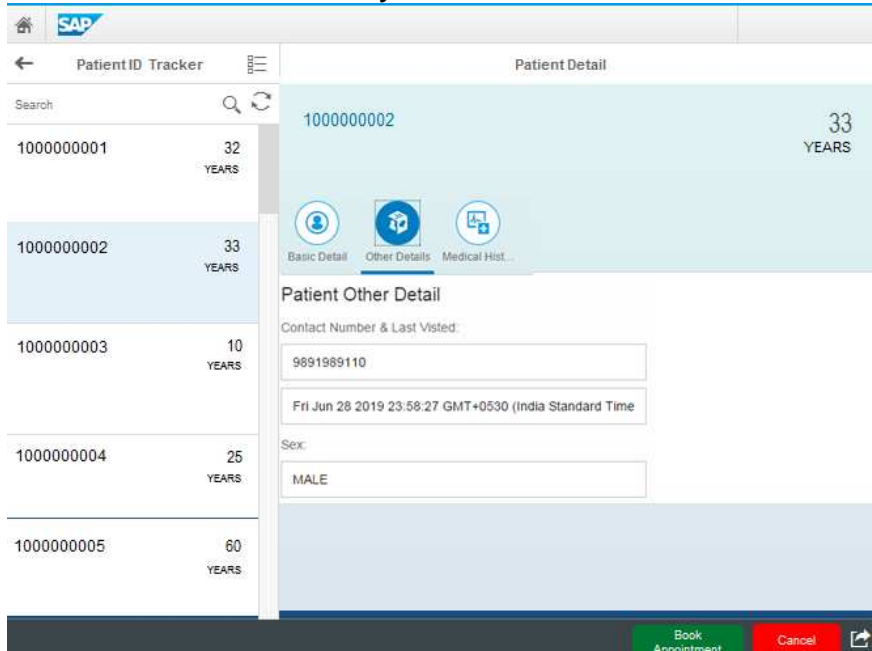
Patient ID	Age (YEARS)
1000000001	32
1000000002	33
1000000003	10
1000000004	25
1000000005	60

Search: 1000000002 33 YEARS

Salutation: Mr.
Full Name: JAMES BOND
Address Line 1: House number 007, New Delhi , India-007

Buttons: Book Appointment, Cancel

2. Click on the Visit History Button for that Patient Id



The screenshot shows the SAP Fiori Patient Other Detail section. The patient with ID 1000000002 and age 33 is selected. The main area displays the patient's other details, including their contact number and last visited date. The 'Other Details' button is highlighted.

Patient ID	Age (YEARS)
1000000001	32
1000000002	33
1000000003	10
1000000004	25
1000000005	60

Search: 1000000002 33 YEARS

Contact Number & Last Visted:
9891989110
Fri Jun 28 2019 23:58:27 GMT+0530 (India Standard Time)
Sex: MALE

Buttons: Book Appointment, Cancel

3. Click on the Medical History Button for that Patient Id

The screenshot shows the SAP Patient ID Tracker interface. On the left, a list of patients is displayed with their IDs and ages. The patient with ID 1000000002 and age 33 is selected. The main area shows the 'Patient Detail' for this patient, including a search bar, three tabs (Basic Detail, Other Details, Medical Hist...), and a table of visits. The visits table has columns for Visitdate, VisitDepartment, and Doctor. The first visit is on Thu May 14, 2015, at 00:00:00 GMT+0530 (India Standard Time) in the ENT department, with Dr Sood as the doctor. The second visit is on Sun Apr 26, 2015, at 00:00:00 GMT+0530 (India Standard Time) in the ENT department, also with Dr Sood as the doctor. At the bottom, there are buttons for 'Book Appointment', 'Cancel', and a share icon.

Visitdate	VisitDepartment	Doctor
Thu May 14 2015 00:00:00 GMT+0530 (India Standard Time)	ENT	Dr Sood
Sun Apr 26 2015 00:00:00 GMT+0530 (India Standard Time)	ENT	Dr Sood

FINAL APP PROTOTYPE DEVELOPED INSIDE SAP WEB IDE

The Patient Details Prototype is a working Prototype developed successfully inside SAP Web IDE. It is based on the mock up layout prepared and shown above. It uses an EDMX file which has the new Odata model created based on Patient Header and Detail data structures. It finally runs on the Mock data created manually and runs through the mock service.

Steps to run this app are shown in the below screenshots. It is tested on all type of Screen size in the Mock up window.

Step 1 : Run the App with Mock data

The screenshot shows the SAP Patient ID Tracker app running in a browser window. The window title is 'Patient ID Tracker'. The interface is divided into two main sections: 'Patient Header' and 'Patient Detail'. The 'Patient Header' section contains a search bar and a list of patients. The patient with ID 1000000011 and age 26 is selected. The 'Patient Detail' section shows the details for this patient, including a search bar, three tabs (Basic Detail, Other Details, Medical Hist...), and a table of visits. The visits table has columns for Visitdate, VisitDepartment, and Doctor. The first visit is on Thu May 14, 2015, at 00:00:00 GMT+0530 (India Standard Time) in the ENT department, with Dr Sood as the doctor. The second visit is on Sun Apr 26, 2015, at 00:00:00 GMT+0530 (India Standard Time) in the ENT department, also with Dr Sood as the doctor. At the bottom, there are buttons for 'Book Appointment', 'Cancel', and a share icon.

Visitdate	VisitDepartment	Doctor
Thu May 14 2015 00:00:00 GMT+0530 (India Standard Time)	ENT	Dr Sood
Sun Apr 26 2015 00:00:00 GMT+0530 (India Standard Time)	ENT	Dr Sood

The above shows screen Generated with mock data in Master Detail format. The Detail section gives details about selected patient in the first tab which is selected by Default.

Step 2 : Press the tab “Other Details”. It uses the first design component SIMPLEFORM inside the element ID ICONTABFILTER

The screenshot shows a patient details page with a 'Patient Header' table and a 'Patient Detail' section. The 'Other Details' tab is active, displaying a form with the following data:

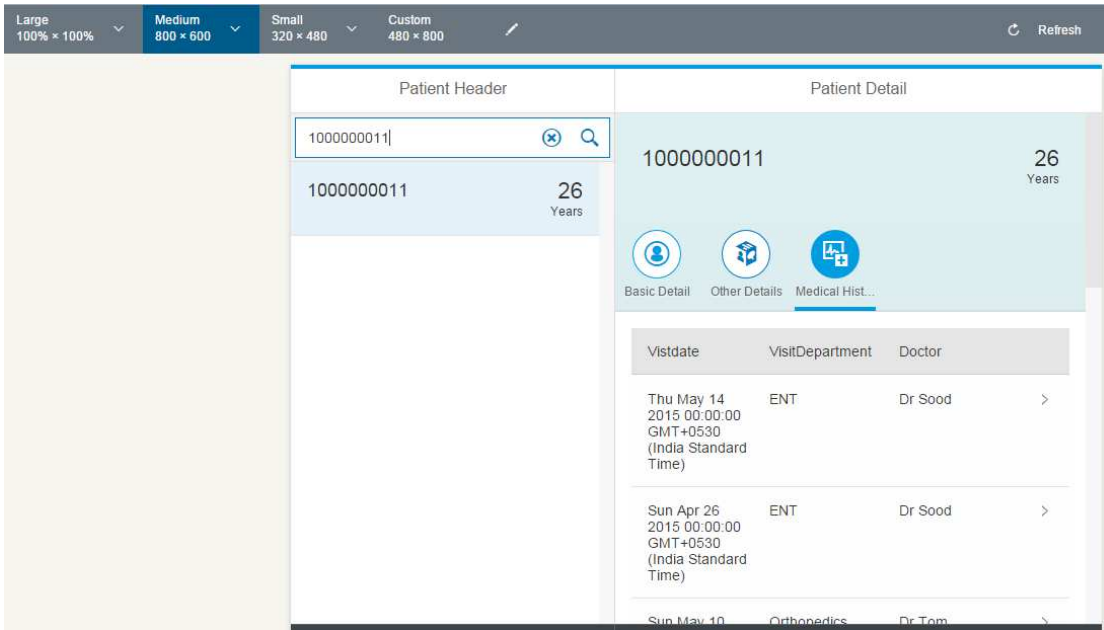
Patient Header		Patient Detail	
Search		1000000011	26 Years
1000000010	30 Years	<div>Basic Detail</div> <div>Other Details</div> <div>Medical Hist...</div>	
1000000011	26 Years	Patient Other Detail Contact Number & Last Visted: 9991989145 Thu Dec 13 2001 23:58:27 GMT+0530 (India Standard Tim Sex: MALE	
1000000012	20 Years		
1000000013	18 Years		
1000000014	44 Years		
1000000015	39 Years		

Step 3 : Press the tab “Medical History”. It uses the second design component TABLE inside the element ID ICONTABFILTER. This shows the one to many relation between Patient ID and their medical History. It has also navigation Property to goto further Details of Prescription by that specific Doctor.

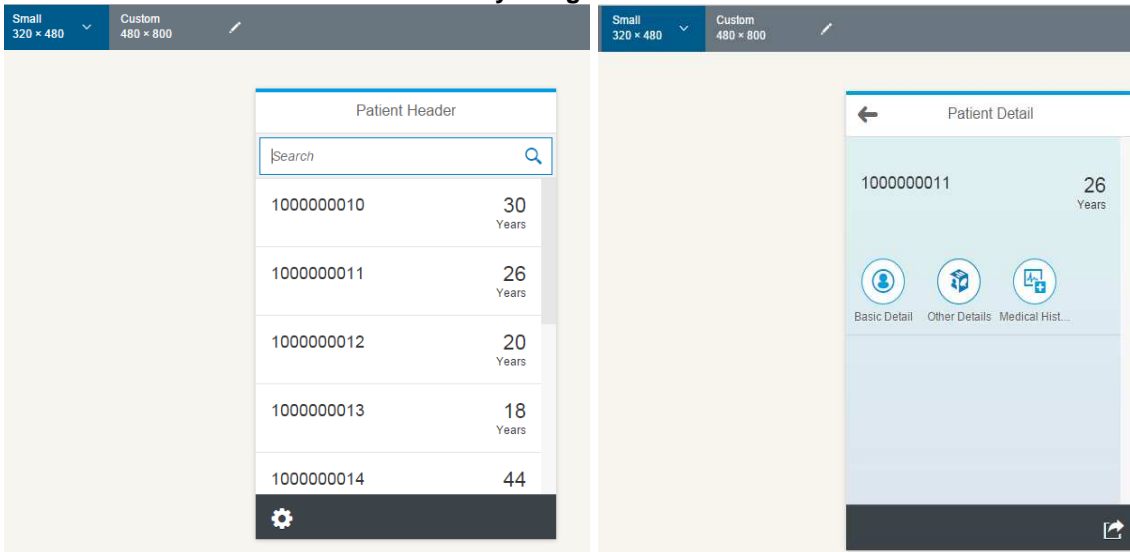
The screenshot shows the same patient details page, but with the 'Medical History' tab selected. The 'Patient Detail' section now displays a table of medical visits:

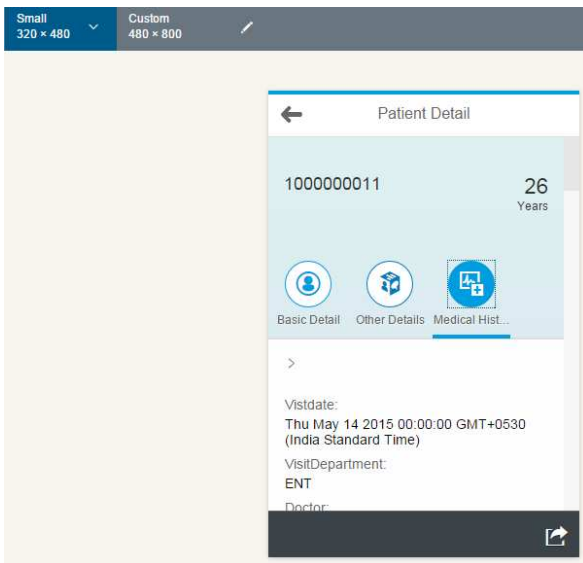
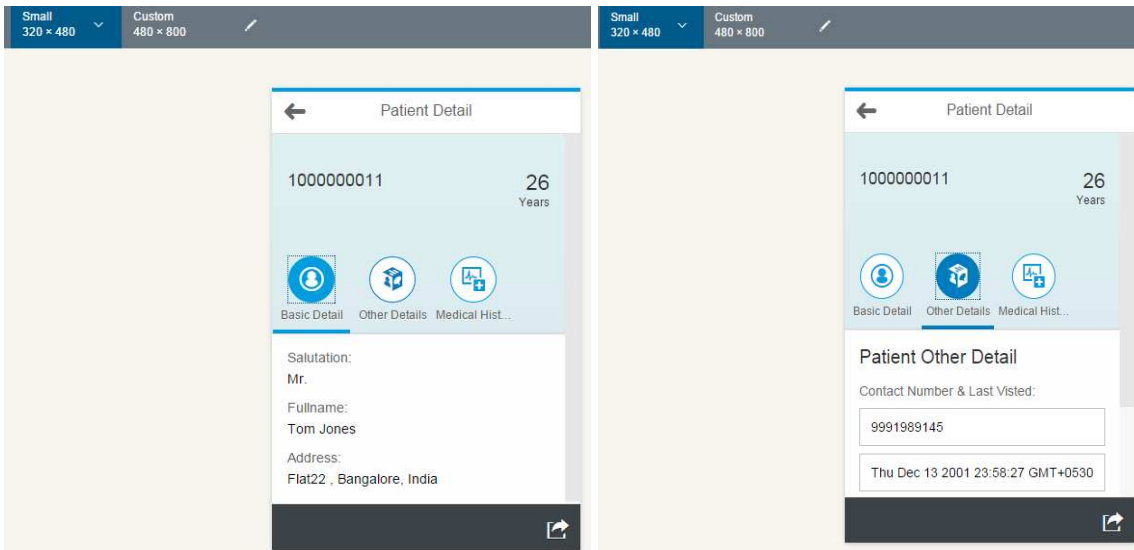
Visdate	VisitDepartment	Doctor	
Thu May 14 2015 00:00:00 GMT+0530 (India Standard Time)	ENT	Dr Sood	>
Sun Apr 26 2015 00:00:00 GMT+0530 (India Standard Time)	ENT	Dr Sood	>
Sun May 10 2015 00:00:00	Orthopedics	Dr Tom	>

The search option works correctly with chosen Patient ID.



This App also works well in the small Resolution. Steps to be reproduced like above for this screen size. The back button also works correctly. Images below.





So this FIORI APP will be useful to the Helpdesk Clerk or Doctors to effectively track the registered patients and prescribe them the medicine as suitable with patient's history. This application can be enhanced with Appointment buttons and other user friendly features. But the current design has been kept very simple as a mock app only.

Thank you.