

4a. Patient's Profile User Interface - Requirements Specification

This UI shows the collated information of the patient with links to other pt related UIs.

This includes separate sections/boxes for;

- Pt Admin Data
- Pt Allergies & Alerts
- Pt comorbidities & past admission diagnosis

Pt's events in the chronology

- Inpatient admissions
- Outpatient visits,
- ED visits
- Ad hoc notes
- Scanned documents (from external and internal care providers)
- Pictures & Photos (from external and internal care providers)

Needed Functions

- Overview of patient basic information/profile
- Connections to other pt related data (generally related to the pt but not to the episode/admission)

UIs

Current: ‘Patient Overview’

Commands

Create a visit

Give an Appointment

Add history

Add allergy

Examination

Prints

Print patient slip

Print patient cards

Print patient summary

Full Name: Mr. KS KAVEE RODRI

Registration No: 157

Gender: Male

NIC:

Date of birth: ~1948-03-01

Address: 48 Liverpool Street, Hobart,Alliyawatta, Dompe, Gampaha

Age: ~73yrs 11dys

Civil status: Single

Previous visits

2021-03-06

Abdominal pain

Sampath Kulathilaka

Previous admissions

2021-03-06

Abdominal pain

Sampath Kulathilaka

Examinations

2021-03-06

135 / 85

75Kg.

156m

37°C

History

Benign essential hypertension

test entry

Allergies

2021-03-06

Egg

Past

Latest lab results

2

2021-03-06

Full blood count

Done

Suggested UI

Patient's Profile

Commands

- Create New Patient
- Create an Episode
- Create Outpatient visit
- Create task

Prints

- Print patient profile
- Print stickers

Episode	Correspondent	Notes	All
Emergency visit 13/04/19			
Admission 13/04/19-30/04/19			
Outpatient visit 16/05/19			
Outpatient visit 18/06/19			
Correspondent - GP 23/10/19			
Scanned Doc - Internal 23/10/19			
Admission 11/12/19-17/12/19			
Correspondent-Other 23/01/20			
Note- 24/01/20			

Diagnostics

- Pathology
 - FBC - 15/02/21
- Radiology

Patient Information

General

IDs & Other

Carers & GP

Additional

Patient ID :

Title :

First Name :

Middle Names :

Surname :

Preferred Name :

Sex :

Date of Birth :

Age : Years

Months

Days

Phone :

Address 1 :

Address 2 :

City/Suburb :

State :

Country :

Post code :

Email :

Willing to receive SMS/Mobile app notifications

☐

Willing to use consumer mobile app :

☐

Consumer mobile app is installed :

☐

Already use consumer mobile app :

☐

Other comments on Consumer App :

Save

Cancel

Auto-generated in a new admission

Closed dropdown

Calendar entry.

Age auto-calculated on 'Last Focus'.

Age validated as per entered DOB

Residential/ Home?

Open dropdown.

Postcode & State auto-selected as this entry

Missing Items in Patient Information

- GP Name

Special Facts

Care group: COPD

Comorbidities Past Med./Surgical History

- COPD (2018)
- Hypertension (2016)
- Diabetes (2015)

Expand

Alerts & Allergies

- Falls risk
- Language barrier
- Penicilline (13/04/16)
- Fish

Expand

ACD & GOC

- ACD - 18/05/2019
- GOC
- 11/12/19 - A
- 13/04/19 - A

Expand

Pending Tasks

- FBC Test on 25/02/2021
- Diabetic referral

Expand

Past Admission Diagnosis

- Pneumonia (13/04/19)
- Bronchitis (11/12/19)

Expand

Behaviour & Social

- Smoking (12yrs)
- Alcohol (5yrs)

Expand

Medication Profile

- Atorvastatin 100mg D
- Metformin 1g D
- Thyroxine 100mcg D

Expand

Outpatient visit bookings

- Respiratory (14/02/21)
- Physiotherapy (28/02/21)

Expand

Vaccination

- Pneumococcal (13/04/19)
- Covid (31/03/21)

Expand

Dietary

- Vegetarian

Expand

Family History

- Lung Cancer - Father

Expand

Development (only <16yr)

- Walking - 3yrs

Expand

18

(1) Commands: Commands related to the patient generally (not to a specific episode/admission)

(2) Prints related to the patient profile

(3) **Patient Information section;** [4. Patient Registration - Requirements Specification](#)

(4) **List of episodes, records in the chronology.**

Includes- 'Admission', 'Outpatient visit', 'Correspondent - GP', 'Correspondent - Other', Note, Scanned Doc- Internal, Scanned Doc- External, Pictures.

These include episode date/upload date.

One cursor moves above the item tooltip text should appear with the following;

- Admission - Consultant, How many days back, Primary Diagnosis
- Outpatient visit- Seen by whom, Situation
- Correspondent - who sent
- Note - who entered
- Scanned doc - origin
- Pictures/photos - topic, author

There should be different tabs to filter as per the type of entries.

Once a box clicked it should lead to the relevant page.

- 'Admission' leads to- '**Inpatient Interface**' (goto)
- 'Outpatient visit' leads to- '**Outpatient Interface**' (goto)
- 'Correspondents', Note, Scanned Doc, Pictures lead to - '**Progress Notes**' (goto)

(5) **Diagnostics**

Has pathology and radiology results in separate sections, listed latest in the top.

Clicking those diagnostics should lead to relevant '**Pathology view**' or '**Radiology view**' interfaces. These interfaces can appear in 12.

(6) **Comorbidities, Past Medical/Surgical History**

'Expand' button should lead to the data entry UI (that appears in 12) which is described in '**9. Comorbidities & Past Medical History- Requirements Specification**'.

(7) **Past Admission Diagnosis of inpatient and outpatient episodes (**

Secondary diagnosis should be popped up as a tooltip text one cursor over the relevant diagnosis.

'Expand' button should lead to viewing more details on admissions and diagnosis. Admission diagnosis should be auto-populated from the discharge summaries/outpatient summaries of the past admissions.

(8) Vaccination Record

There is dedicated interface vaccination data entry which should when 'Expand' is clicked.

(9) Alerts and Allergies (the author should be indicated as a tooltip text one mouse move above the relevant alert/allergy).

Edit button should lead to the data entry UI which is described in '**8. Alerts/Allergies- Requirements Specification**'. These are entered through this interface. These interfaces can appear in 12.

(10) Behaviour and Social Information

There is dedicated interface **Behaviour and Social Information** data entry which should when 'Expand' is clicked.

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(12) Advanced Care Directives (ACD) & Goals of Care (GOC) Plans

ACD should be able to upload into this interface by clicking the 'Edit' button.

GOC is entered through admission (**Inpatient interface**). In this interface, GOC will be listed with date and GOC level. The tooltip of these should show the authors of the GOC form. Once clicked full GOC form should be viewed. These can be viewed in 12.

(13) Medication Profile

This contains the medication patient is currently on. This shows drug name, dose, and frequency. By clicking 'Edit' button user gets directed into the 'Medication Profile' interface which shows the current medication, dose, and frequency, date started, old ceased medication and comments related to those. Adding, ceasing or modifying the dosage of medication is also possible.

(14) FamilyHistory

There is a dedicated interface for **Family History** data entry which should be shown when 'Expand' is clicked.

(15) Pending general Tasks under patient profile (but not related to an episode)

Tasks should be listed with dates. Tooltip text should show the author.

Once clicked it should lead to details of the task and editing interface. This interface can appear in 12.

(16) Booked Outpatient visits are listed here in putting the latest in the top.

By clicking 'Edit' this can be edited or through 'create outpatient visit' in the command list of this UI. This interface can appear in 12.

(17) Development History

There is a dedicated interface for **Development History** data entry which should be shown when 'Expand' is clicked.

This is available only for patients equal or less than 16 yrs of age.

(18) **Area to view expanded section**

(19) **Missing Items in Patient Information**

This box shows missing important (but not mandatory) information (fields) from the Patient Registration UI.

These are picked from the 'Missing_Item' (=Yes) in the fields table.

(20) **Special facts** box has various information important inpatient care.

(a) **'Care Group'** is the care pathway/diagnostic related care group that the patient is allocated (during one of the visit) from the **inpatient interface**