Project Number: 6

Team Number: 26

Title: App (phone/tablet) for field workers to extend health service from hospital to the home

The following were identified as the actors of this application:

1. Field Worker
2. Doctor
3. Admin
4. Super Admin

The use cases for each of the actors are identified as follows:

1.Field Worker

ID:	1.1
Title:	Fill health questionnaire
Description:	Fill up the questionnaire to conduct health screening of the family members
Primary Actor:	Field Worker
Secondary Actor:	Patient
Preconditions:	The field worker has a valid account on the app. The patient has provided his/her consent to collect their health-related data.
Postconditions:	Can view the health score of the patient based on the questionnaire
Main Flow:	1. The field worker takes the consent of patient. 2. The field worker asks the questions one by one and records the patient's response for each of them. 3. The field worker then submits the form to view the health. The questionnaire summary will be attached to patient's ABHA ID

ID:	1.2
Title:	View List of Doctors
Description:	Field workers can view a list of doctors available in their local area to recommend to patients.
Primary Actor:	Field Worker
Secondary Actor:	Patient
Preconditions:	The field worker has a valid account on App. List of doctors available in the system.
Postconditions:	The field worker can recommend doctors to the patient.
Main Flow:	1. The field worker can view the list of doctors available in the local area.

	2. The field worker can then recommend a doctor and provide a doctor/clinic address to the patient based on the patient's poor health score.

ID:	1.3
Title:	View Schedule
Description:	Field workers can access and receive notifications about the daily follow-up schedules that need to be completed.
Primary Actor:	Field Worker
Secondary Actor:	Patient
Preconditions:	The field worker has a valid account on App. The schedule of field workers will be automatically populated with their respective to-do tasks.
Postconditions:	The field workers diligently fulfil their assigned follow-ups each day.
Main Flow:	1. The field worker is notified about the task/follow ups to be completed. He/she can view the task list and perform them accordingly.

ID:	1.4
Title:	Update Follow-up details.
Description:	Update patient current health status to doctor after following up.
Primary Actor:	Field Worker
Secondary Actor:	Doctor
Preconditions:	The field worker has a valid account on App. The field worker must have completed his/her follow-up with the patient.
Postconditions:	The field worker schedule gets updated as task done. The doctor will receive the health status of patient post follow-up.
Main Flow:	1. The field worker will complete the patient follow-up and add comment/update the current health status of the patient.

ID:	1.5
Title:	Send prescription link / Bluetooth Print
Description:	Field worker can send the prescription link through SMS or can print prescription using Bluetooth module
Primary Actor:	Field worker.
Secondary Actor:	Patient.
Preconditions:	The patient must have visited the doctor at least once.
Postconditions:	1. Patient will receive the prescription link on his/her phone or hard copy of the prescription.
Main Flow:	1.On clicking send button a SMS link will be triggered to

	patient's phone number or clicking on the print button prescription of the patient will be printed.

ID:	1.6
Title:	Offline usability
Description:	Field Worker will be able to use the app when he is offline, i.e. when there is no internet connectivity.
Primary Actor:	Field Worker
Secondary Actor:	NA
Preconditions:	The field worker has logged in while he was online.
Postconditions:	The field worker will be able to perform all the tasks even when he is offline.
Main Flow:	1. The fieldworker will start from a place (probably office) where internet connectivity is available and they will login into the app 2. The app will fetch the data and store it in-memory database in frontend 3. The forms created by the fieldworker will be stored in the in-memory database and will be synced once the connectivity is restored

2. Doctor

ID:	2.1
Title:	View Patient details
Description:	The doctor will be able to view patient details and current health conditions.
Primary Actor:	Doctor
Secondary Actor:	Patient
Preconditions:	The doctor has a valid account on App. The doctor has access to patient questionnaire form.
Postconditions:	The doctor will record patient diagnosis and provide treatment accordingly.
Main Flow:	1. When patients visit doctor, they can provide their patient id. 2. Using the id doctor can check their health questionnaire updated by field worker.

ID:	2.2
Title:	Prescribe Treatment & Record Diagnosis
Description:	The dDoctor will record the patient diagnosis in IC10 codes and prescribe treatment/medicines to the patient.
Primary Actor:	Doctor
Secondary Actor:	Patient

Preconditions:	The doctor has a valid account on App. The doctor has checked the patient questionnaire and is aware of the patient's current health condition.
Postconditions:	Doctor will update the recorded diagnosis and prescription of the patient.
Main Flow:	1. Doctor will diagnose the patient. 2. Update the prescribed treatment.

ID:	2.3
Title:	Update follow-ups to the field worker.
Description:	The doctor can update the patient follow-up to field worker.
Primary Actor:	Doctor.
Secondary Actor:	Field worker.
Preconditions:	The doctor has a valid account on App. Doctor has diagnosed the patient.
Postconditions:	Field worker schedule will get updated.
Main Flow:	1.Doctor will add the follow-up required for a patient to the field worker calendar/schedule.

3. Admin

ID:	3.1
Title:	Add a new field worker.
Description:	Admin can add a newly appointed field worker.
Primary Actor:	Admin.
Secondary Actor:	Field worker.
Preconditions:	Admin has a valid account on App. A new field worker joined the organisation.
Postconditions:	1. The newly appointed field worker will be added to the organisation.
Main Flow:	1. Admin will click the add button. 2. Will add the field worker details and save. 3. The new field worker will be added to the field workers list.

ID:	3.2
Title:	Remove existing field worker.
Description:	Admin can remove existing field worker.
Primary Actor:	Admin.
Secondary Actor:	Field worker.
Preconditions:	Admin has a valid account on App. An existing field worker is leaving the organisation.
Postconditions:	1. Field worker's details will be removed.

Main Flow:	1. Admin will select the field worker and click on the remove button. 2. The selected field worker will be removed from the existing field worker list.

ID:	3.3
Title:	Search and assign field worker.
Description:	Admin can search and assign a field worker to a region.
Primary Actor:	Admin.
Secondary Actor:	Field worker.
Preconditions:	Admin has a valid account on App. Field worker should exist in the list of field workers.
Postconditions:	Field worker is assigned to a particular region.
Main Flow:	1. Admin will search for the field worker by name / taluka. 2. Admin will select the field worker of that taluka and assign.

ID:	3.4
Title:	Reassign Fieldworker
Description:	Admin can reassign Fieldworkers from the same taluka.
Primary Actor:	Admin.
Secondary Actor:	Field worker.
Preconditions:	Admin has a valid account on App. Field worker for a taluka is not available.
Postconditions:	Another Field worker belonging to the same taluka will be assigned.
Main Flow:	1. Admin will click on the reassign button, dropdown of all available(unassigned) field workers of that taluka will be listed. 2. Admin will select the field worker he wants to assign and update.

ID:	3.5
Title:	Track the regions.
Description:	Admin can track the stats of regions covered by field workers.
Primary Actor:	Admin.
Secondary Actor:	Field worker.
Preconditions:	Admin has a valid account on App. Field workers should be assigned to the regions.
Postconditions:	Stats of area covered/uncovered will be displayed.
Main Flow:	1.Admin will select the stats menu. 2.Will view the graphical representation of the regions.

ID:	3.6
Title:	Add a new doctor.
Description:	Admin can add a new doctor.

Primary Actor:	Admin
Secondary Actor:	Doctor
Preconditions:	Admin has a valid account on App. A new doctor has been assigned in the district.
Postconditions:	1. Newly appointed doctor will be added to the organisation.
Main Flow:	1. Admin will click the add button. 2. Will add the doctor details and save. 3. New doctor will be added to the existing list of doctors.

4. Super Admin

ID:	4.1
Title:	Generate a new form.
Description:	For any new disease we can generate a new form accordingly.
Primary Actor:	Super Admin
Secondary Actor:	NA
Preconditions:	The super admin has a valid account on App. Form for required disease will not be available in the system.
Postconditions:	Will generate the form according to disease.
Main Flow:	1.On searching the form name the super admin does not get any result. 2.On clicking the generate form, it will ask the disease name. 3. After entering the disease name, click on the create button and the form will generate automatically with some basic template related to disease. 4. The super admin will also have the option to edit generated form.

ID:	4.2
Title:	Search and enable an existing form.
Description:	Super admin can search the form by name of disease and if it already exists in the form list he can enable it.
Primary Actor:	Super Admin.
Secondary Actor:	NA.
Preconditions:	Admin has a valid account on App. The form is already generated and exists in the list of forms.
Postconditions:	If the super admin enables the form it will add to the current ongoing questionnaire form.
Main Flow:	1. There exists a list of forms of different diseases and an ongoing questionnaire form is set as default. 2. Using the search box, the super admin can search for the form of a disease. 3. Super Admin can then select the form as default and the form of that disease will be set as the current questionnaire subject.