

# Project Title: weCare

## Project Management Document

**Theme:** Healthcare management system

**Teaching Assistant Name:** Aman Sinha

**Date:** 01-04-2022

**Version Number:** 1.0

**Group Number:** 46

**Group members:**

Name	ID
Purav Kansara	201901032
Varun Rathod	201901111
Yash Khanpara	201901252
Aditya Srivastava	201901265
Nilay Patel	201901281
Shubham Kevadiya	201901284

### **About Project:**

weCare health management system is a hospital web-application which features patient and doctor portal, booking lab test, scheduling an appointment with doctors, doctor profile, patient's health profile, various health-departments, and machinery information for surgeries and critical care, Career portal with department wise job openings.

### 1) Tentative Dates and assigned members:

Activities	Start Date	End Date	Responsible Person
a) Formulation of the problem	28-02-2022	21-03-2022	Yash, Varun, Shubham, Nilay, Aditya, Purav
a.1) Reading relevant background information	28-02-2022	09-03-2022	Yash, Varun
a.2) Understanding and documenting the requirements	11-03-2022	18-03-2022	Shubham, Purav
a.3) Discussions	19-03-2022	20-03-2022	Aditya, Nilay
b) Designing a solution, documentation	21-03-2022	27-03-2022	Varun, Purav, Yash, Shubham
c) Relevant learning	21-03-2022	27-03-2022	Purav, Aditya
d) Coding and unit testing	28-03-2022	25-04-2022	Yash, Varun, Shubham, Nilay, Aditya, Purav
e) Documentation	20-04-2022	22-04-2022	Shubham, Aditya, Nilay
f) Testing	26-04-2022	28-04-2022	Purav, Shubham
g) Reviews	26-04-2022	28-04-2022	Nilay, Aditya
h) Re-work and debugging	29-04-2022	02-05-2022	Yash, Varun

### 2) Test cases

- Login/Sign-up
  - If the user is not registered, then ask the user to sign up.
  - If the user provides valid credentials, then take the user to the patient/doctor/chemist portal.
  - If the user forgets a password, then the user can reset the password.
- Patient/Doctor Portal
  - Department-wise doctor's list should be accurate.
  - Each doctor should be part of at least one department.
  - When a patient is booking an appointment only the available doctor's list should be displayed.

- Test if the booked appointment is reaching the doctor's portal.
- If doctors cancel the appointment with the patient then check whether later is notified or not.
- Check whether the doctor's appointment calendar is updated or not.
- The emergency contacts should be tested every now and then to whether they are up or not.
- Test whether the graphs(blood pressure, pulse, etc) are precise or not.
- Pharmacy page
  - Check that prescribed medicines are always available in inventory.
  - Pharmacy inventory should be consistent, test that medicines are all above expiry dates.
  - Test that the medicines whose stock is below the threshold value are added to the order item list before the stocks go out.
- Site design test cases
  - Site should be always up and responsive.
  - The site should be capable of handling at least a thousand users at a time.
  - The site should be compatible with every browser and mobile, tablet, and other devices.

### 3) Testing Schedule

Test Case	Tentative date	Responsible Person(s)
Registration portal	08-04-2022	Varun, Yash, Nilay
Profile testing	12-04-2022	Aditya, Purav, Shubham
Appointment and Scheduling	17-04-2022	Nilay, Shubham
Graph testing	20-04-2022	Aditya, Purav
Inventory testing	25-04-2022	Purav, Aditya, Nilay
Site design testing	29-04-2022	Yash, Varun

### 4) Special Activities and Standards

#### 1. Requirement prioritizing through MoSCoW technique

We followed MoSCoW prioritization technique to reach a common understanding of the importance of all the different requirements.

Mo: Must-Have

Non-negotiable needs that are mandatory to implement

S: Should Have

Needs that are important but not critical for the release

Co: Could have

Needs that are desirable but not mandatory for the release

W: Will Not Have

Needs that can be ignored and can be considered for future releases

## **2. Sprint Estimation**

Cost and completion time play important roles in many estimation approaches in which the bigger the number attributed to a user narrative, the more it costs and/or takes. The sprints are estimated based on the time required to finish the user story and the number of developers working on it.