

# Computer Engineering Department

A.P. Shah Institute of Technology

— G.B.Road, Kasarvadavli, Thane(W), Mumbai-400615

UNIVERSITY OF MUMBAI

Academic Year 2021-2022

Synopsis on  
**MedXpert**

Submitted in partial fulfillment of the degree of  
Bachelor of Engineering(Sem-5)

in

**Computer Engineering**

By

Ishanee Revankar(19102040)

Nidhi Singh(19102042)

Nidhi Heniya(19102041)

Chirag Hegde(19102035)

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Under the Guidance of  
Prof. Shafaque Sayed

# 1. Project Conception and Initiation

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# 1.1 Abstract

Our project aims to develop an application with multiple features for user to organize their healthy lifestyle.

This project mainly includes 3 modules-

- **Medicine reminder/Restocking reminder**
- **Daily exercise/meditation plan**
- **Diet plan according to the health condition of the user**

Med-reminder allows user to **add reminders** for the medicines and gives the **restocking** reminders too.

Second module of the application displays certain common **exercises/ meditation plan** for users to follow.

Finally, third module displays a **breakfast-lunch-dinner diet routine** on the basis of health condition mentioned by user

## 1.2 Objectives

To develop a mobile application that provides a platform to help the user get a habit of practising a **healthy routine** by setting the **reminders for medications**.

To develop an application that monitors the user's **daily exercise and meditation**.

To set a routine for certain things that has to be done on a **daily basis** to improve the **health condition** the user is suffering from.

## 1.4 Problem Definition

In this project, the aim is to implement a Application that will help individuals set reminders for their medicines, improve their lifestyle by providing daily exercise, meditation plan and a diet plan.

## 1.5 Scope

This project is an **android-based application**.

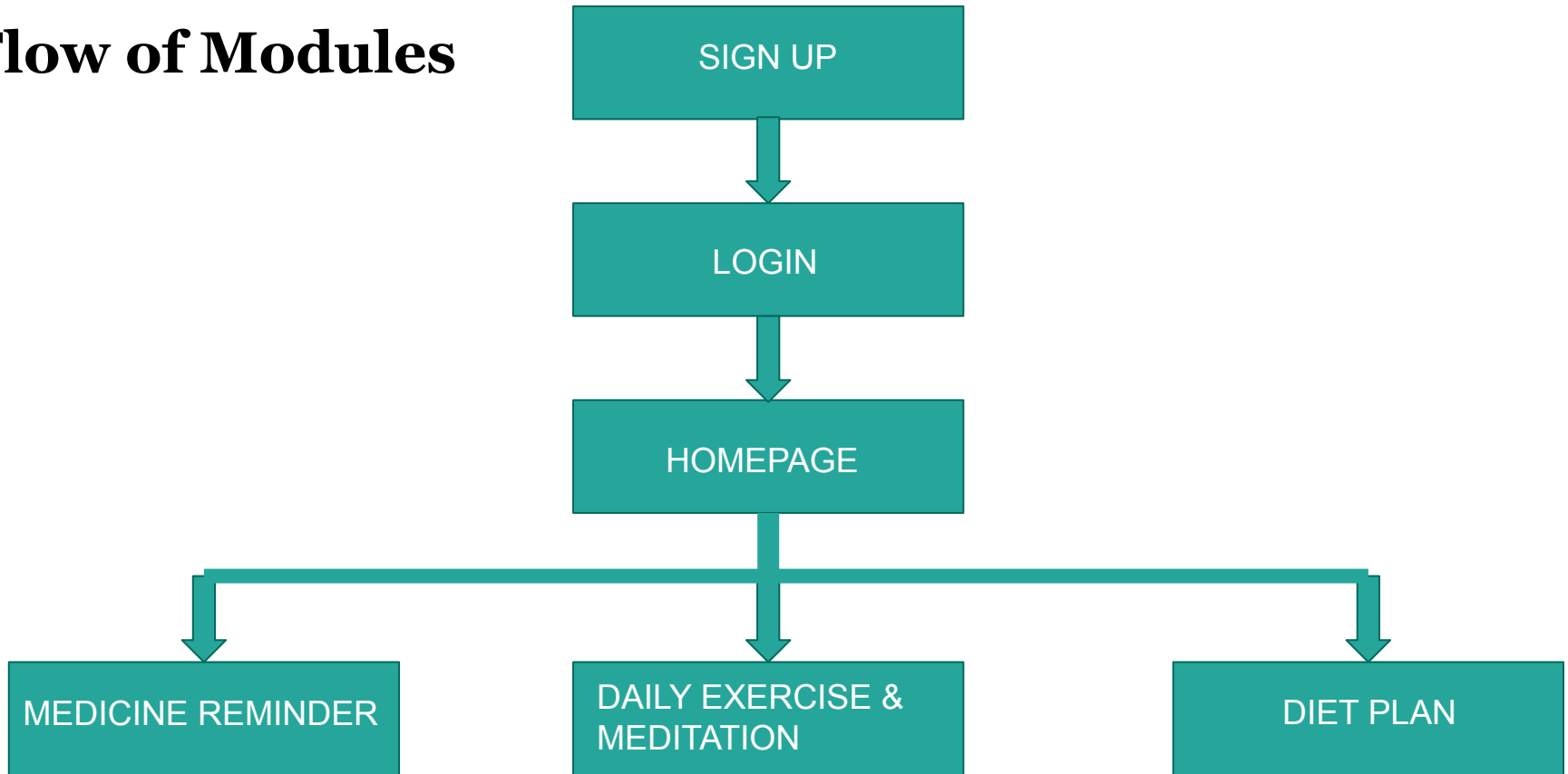
Once the user opens the application, he/she will have to create an account on the application, if already existing user opens the app, they will simply have to Login.

Once the user logs in, they will be redirected to **homepage**, where user will be able to see things like **Daily medicine reminder, Select a diet plan and daily exercise/meditation**.

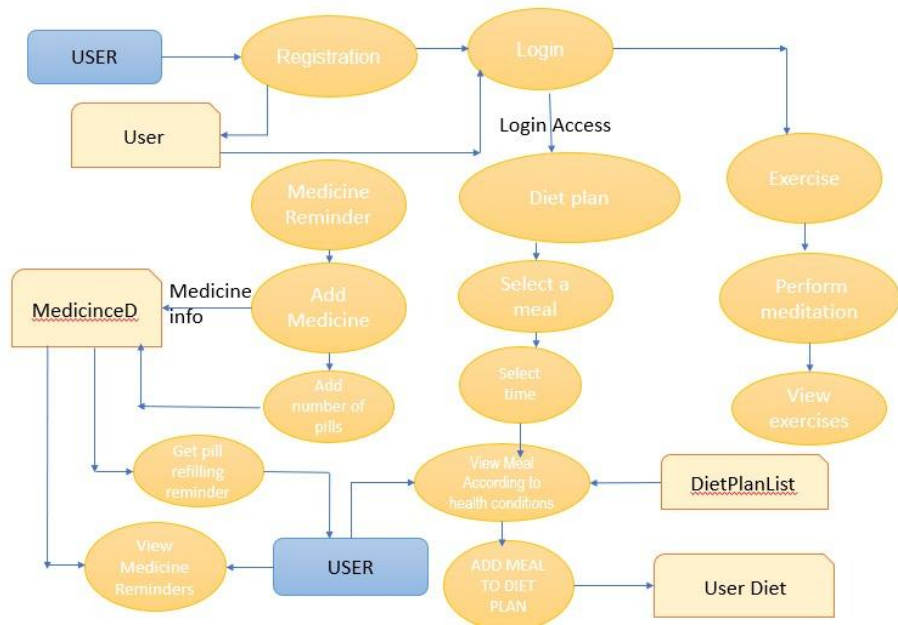
User will get to access other modules of the application via the **navigation bar** on the bottom of the homepage.

User can add medicine reminders, get restocking reminders, get a daily exercise/meditation routine and a diet routine according to health condition.

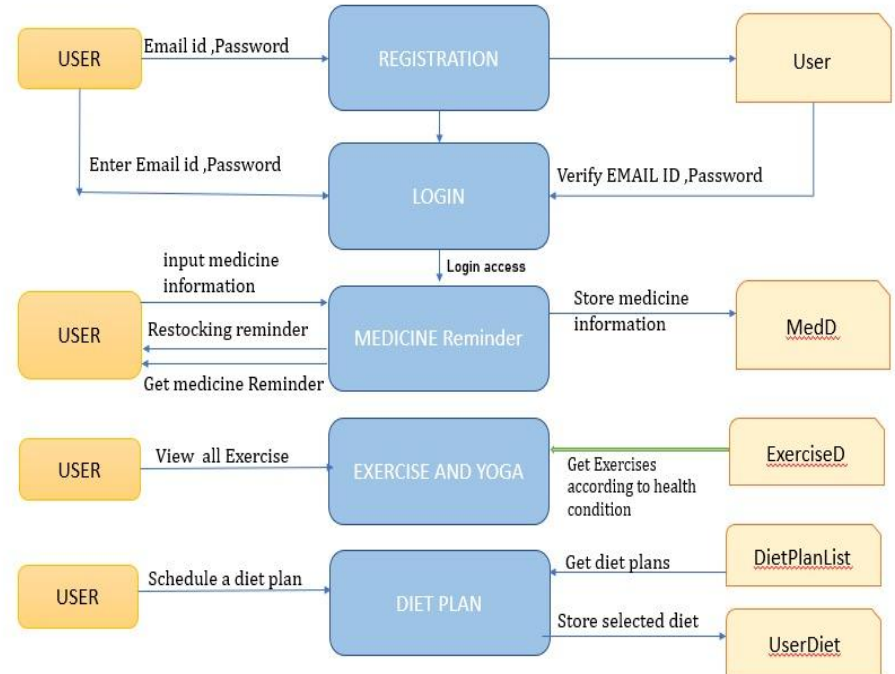
# Flow of Modules







# DATA FLOW DIAGRAM



## Module 1: Med Reminder/Restock Reminder

Med name:

Type of Med:

How often consumed:

Daily:   
General:

No. of pills remaining as of today:

Set respective timings:

Duration of treatment:   
Start Date:   
End Date:

Restocking:

# MODULE 1: Medicine & Restocking Reminder

Type of medicine:

Pills /Syrup /Drops

How often it is to be consumed:

Daily/Non daily

Daily: No of times in a day ->1/2/3

Set respective timings

Duration of treatment:

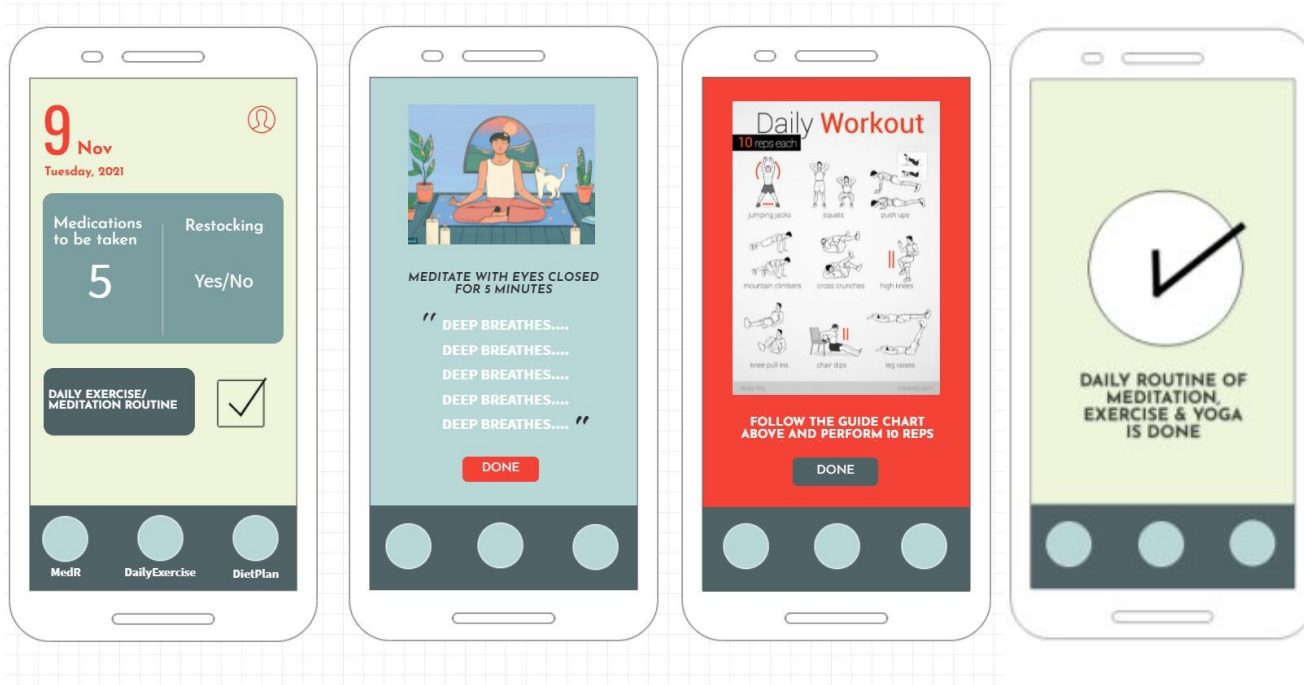
Start date

End date

Restocking:

No of pills left as of today

# Module 2: Daily Exercise & Meditation

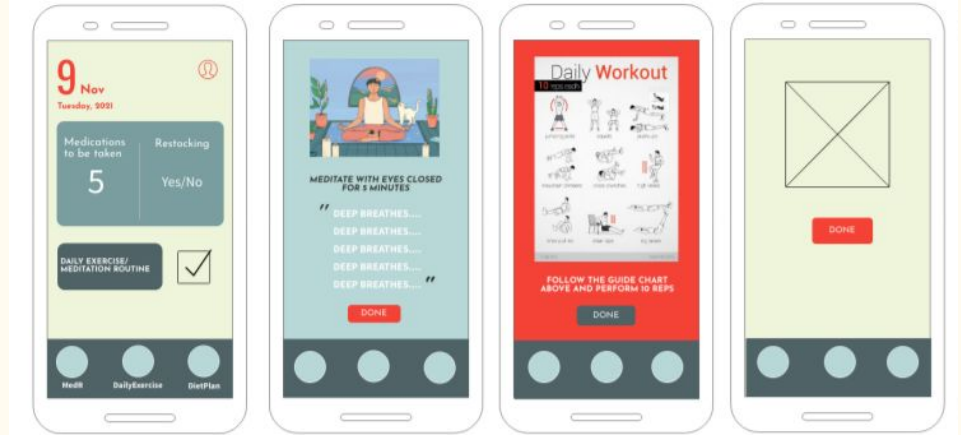
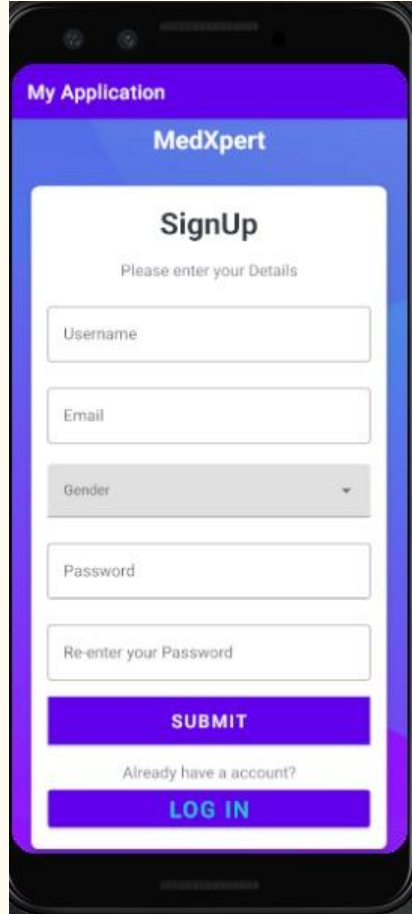
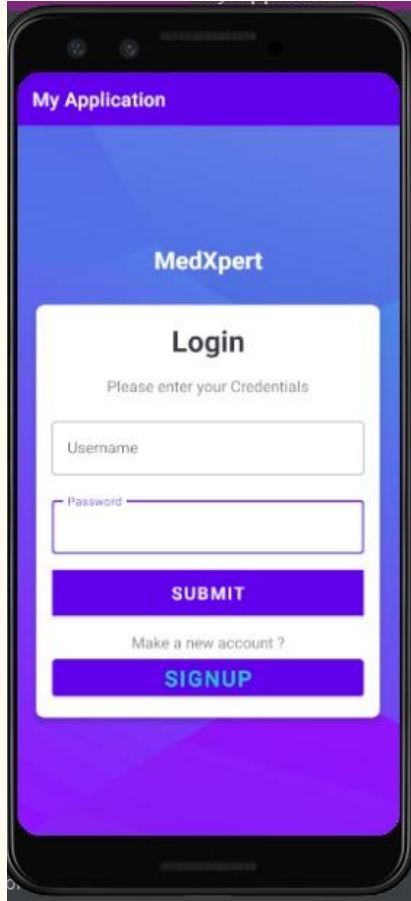




## MODULE 3: DIET PLAN ACCORDING TO HEALTH CONDITION

Task 1- 10 Health Conditions to be included in application.

1. Heart Condition-
2. Asthma-
3. Thyroid-
4. Blood Pressure
5. High Cholesterol -
6. Diabetes-
7. Obesity-
8. lactose intolerance
9. Osteoporosis
10. Fatty liver



## 1.6 Technology stack

The project will be using **KOTLIN** language to implement this dynamic android based project.

The user-interface shall be available on a Application.

The code will be implemented in **Android Studio**.

**Firebase** for database management will be used.

The project will be implemented on **Windows 64-bit** operating system

## 1.7 Benefits for environment & Society

Nowadays, due to hectic daily life schedules, people often forget to take care of their health. With having to rush 24x7 people tend to forget important things like taking their medication. Often people maintain reminders by writing them down on the diaries. But maintaining a diary is not only difficult but also in some way bad for environment, **since all that paper's used for making a single diary.**

But with MedExpert we aim to help people with not only their health but also provide a handy application to get reminders about medication and exercises.

**Thank You!**

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