Medicare

Group 11

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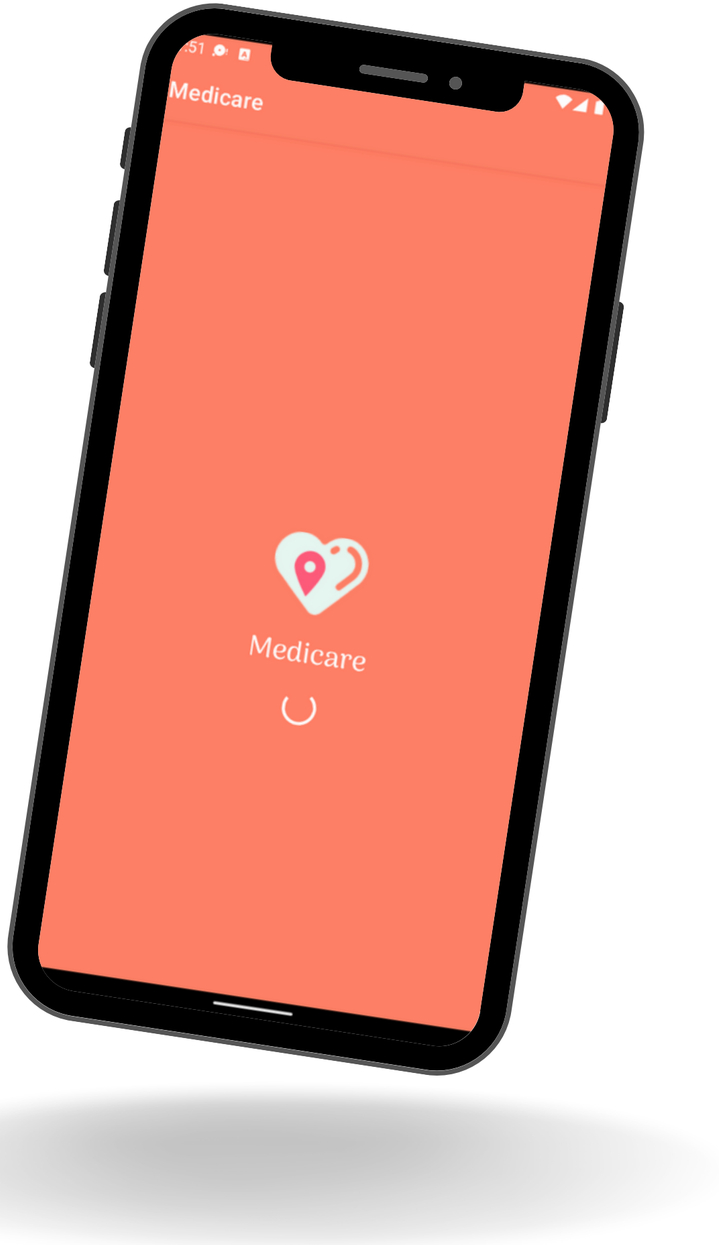


Introduction

01 **The increased use of mobile technologies**

People are almost always on their phones

02 **Digitalisation of services are more common**

03 **A plan to develop a mobile app**

-

Project Objective

What is the main purpose of this mobile app ?

01

Provide easy access medical assistance

All within reach with a push of a button (i.e. calling an ambulance, schedule appointment)

02

Health selfcare/Education at the fingertips

- Users - encouraged/motivated to monitor their own health
- Educate self with essential medical knowledge

03

Easy access to consultations with professionals

No need for long wating time at hospitals

Functions

General

01 **Login**

Allows the general user to login into their account

02 **Register**

Create a new account for themselves

Admin

01

Add Doctors

The admin - main responsibility to add doctors to the system

02

Manage Users

Search and check the details of any user in the system

Users (Patients)

01

Browse Medical Professionals

Browse and search for any medical professional available on the system

02

Health Data

Key in and track health data of the patient (i.e. Weight, height, blood pressure).

03

Book Appointment

Book an appointment with any medical professional after browsing.

Users (Patients)

04

Educational Wiki

Browse and read latest educational articles on various medical topics

05

Call Ambulance

Allow users to call for an emergency ambulance.

Doctors

01

Browse Appointments

View and read appointments created by patients

02

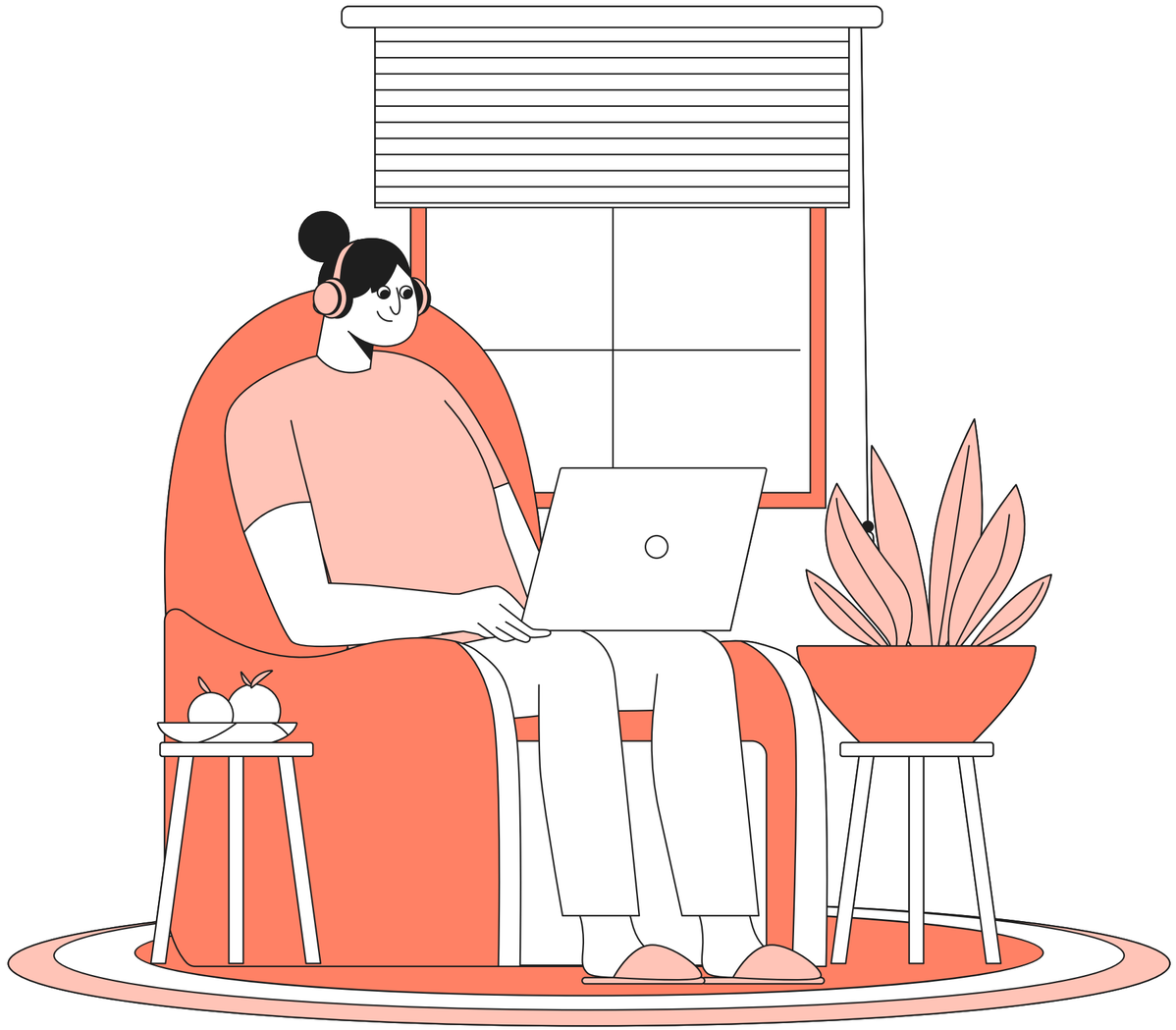
Start Virtual Consultation

Create a virtual consultation for the appointed time

03

Set prescriptions

Note down prescriptions for patients for any past consultation once settled



Tools

(Software Technologies)

Languages

The programming languages involved in the implementation of the application

Java

Object-oriented language used to develop the system's backend and middleend

XML

The Extensible Markup Language is a markup language that describes the structure of the page (Frontend)

Development tools

The tools that facilitate the development of the system

Android Studio

Complete Android development Intergrated Development Environment (IDE)

Figma

High fidelity prototyping tool to produce a complete mock-up of the system

Github

A remote repository allows the development to be tracked and collaborated on remotely

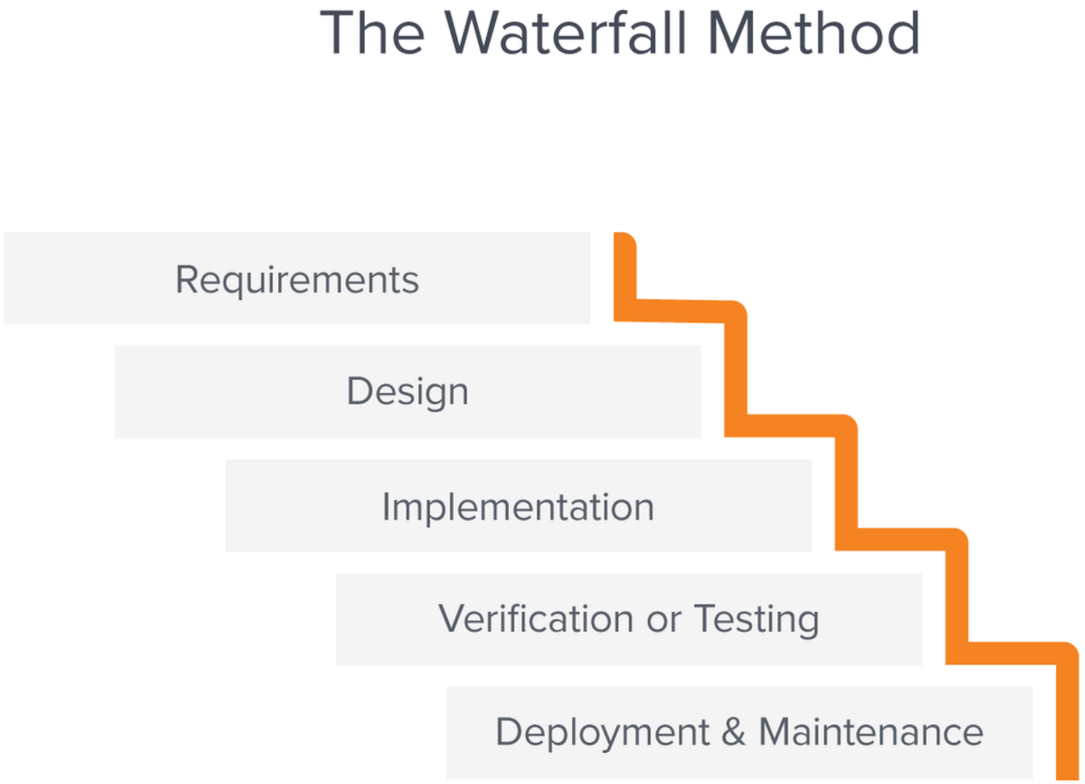
Database

The Database Management System manages the system's database

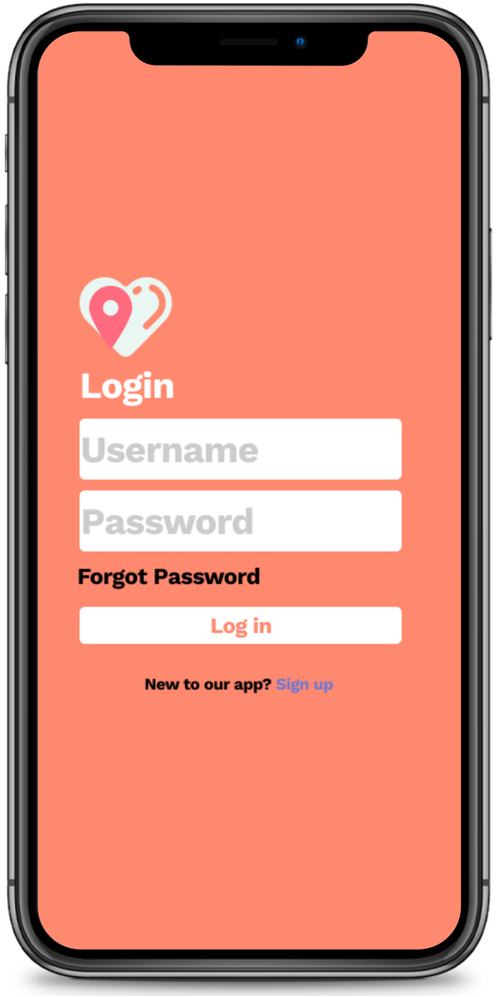
Firebase

The Firebase Realtime Database is a cloud-hosted NoSQL database that lets you store and sync data between your users in realtime.

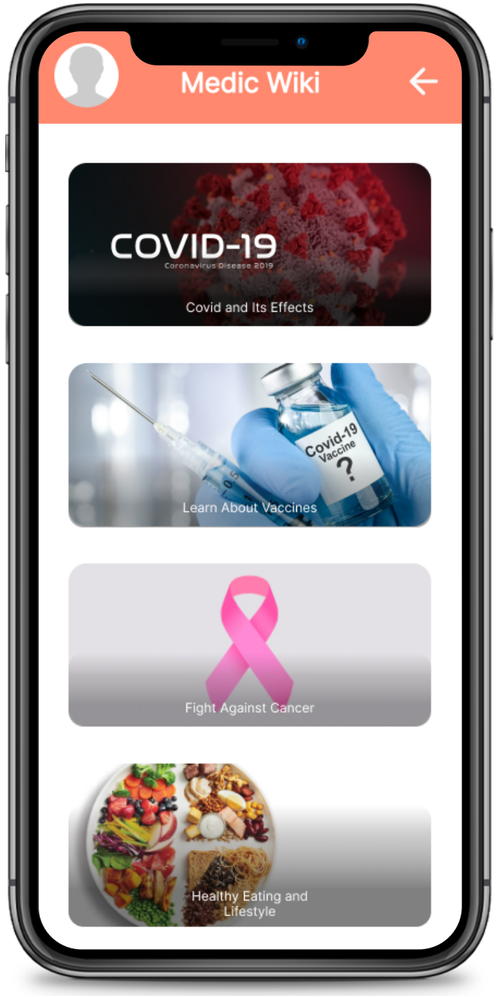
Methodology

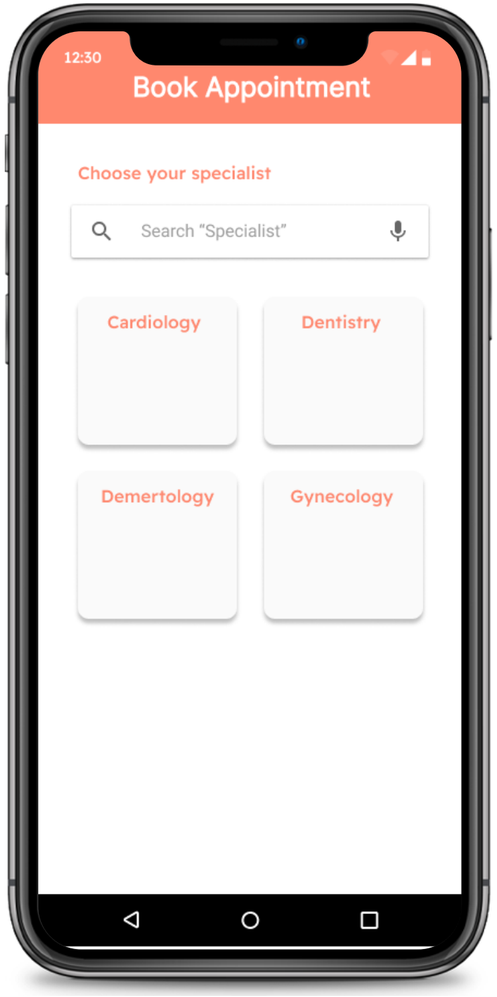


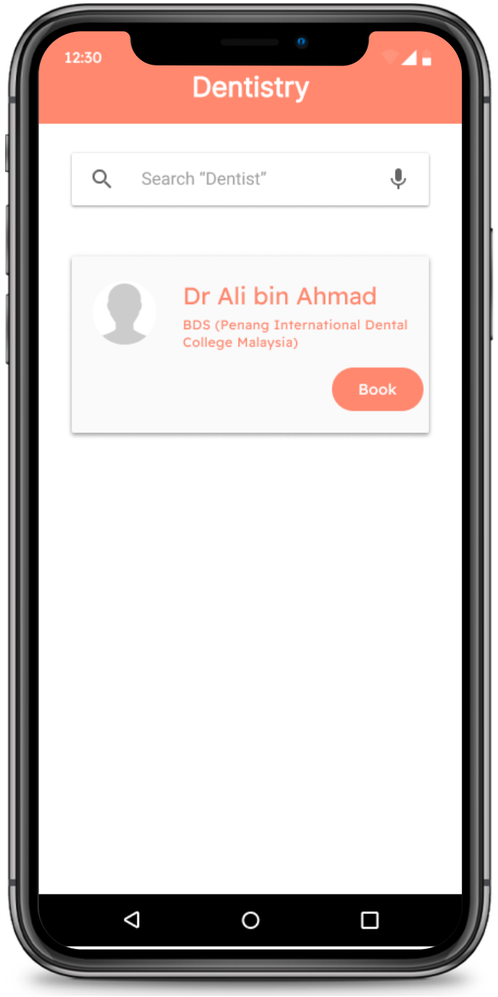
Prototype

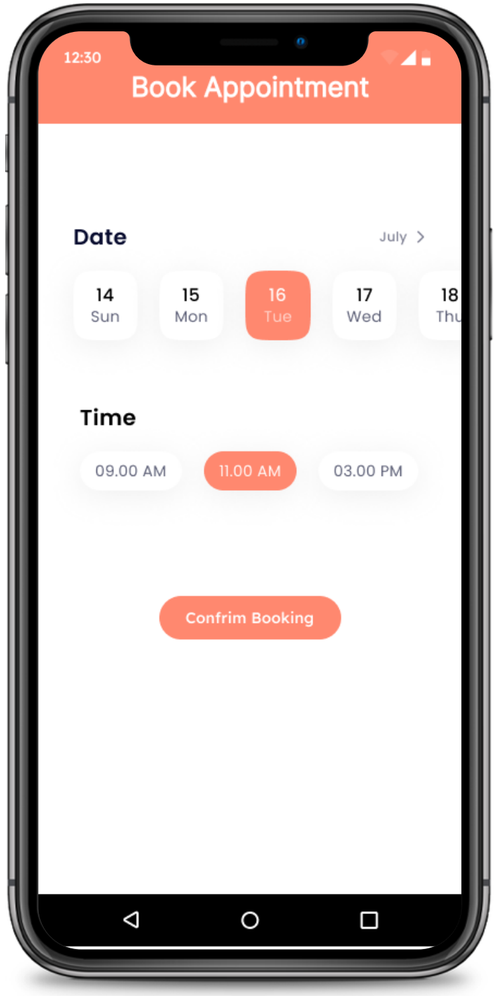

Login
Username
Password
Forgot Password
Log in
New to our app? Sign up

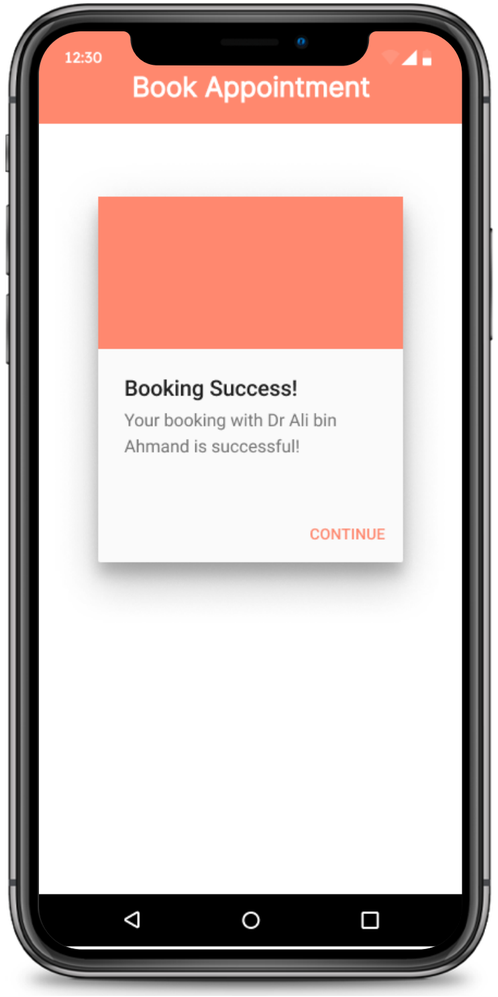
MediCare
Medical Professionals
Medic Wiki
Health Stats
Call Ambulance
Appointments
Covid Vaccine News

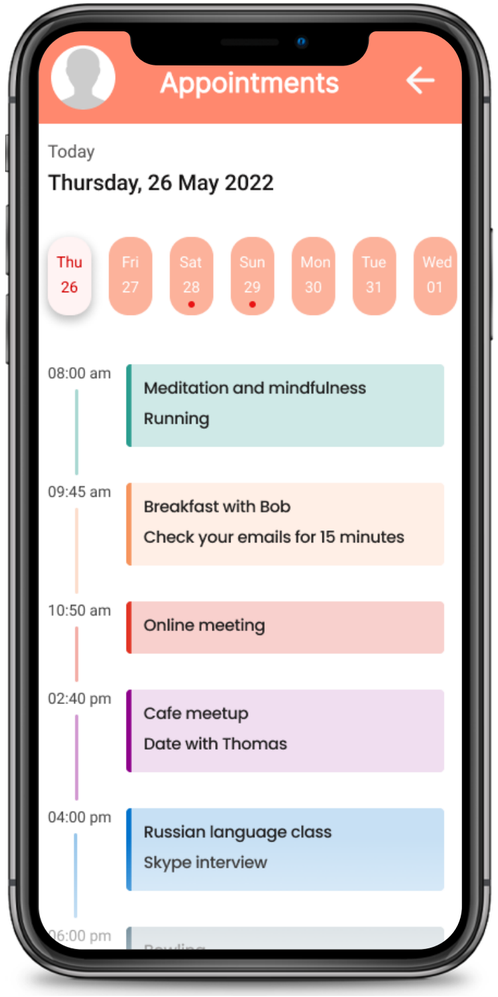

Medic Wiki
COVID-19
Coronavirus Disease 2019
Covid and Its Effects
Covid-19 Vaccine
Learn About Vaccines
Fight Against Cancer
Healthy Eating and Lifestyle


12:30
Book Appointment
Choose your specialist
Search "Specialist"
Cardiology
Dentistry
Demertology
Gynecology


12:30
Dentistry
Search "Dentist"
Dr Ali bin Ahmad
BDS (Penang International Dental College Malaysia)
Book


12:30
Book Appointment
Date
July
14
Sun
15
Mon
16
Tue
17
Wed
Time
09.00 AM
11.00 AM
03.00 PM
Confrim Booking


12:30
Book Appointment
Booking Success!
Your booking with Dr Ali bin Ahmand is successful!
CONTINUE


Appointments
Today
Thursday, 26 May 2022
Thu 26
Fri 27
Sat 28
Sun 29
Mon 30
Tue 31
Wed 01
08:00 am
Meditation and mindfulness
Running
09:45 am
Breakfast with Bob
Check your emails for 15 minutes
10:50 am
Online meeting
02:40 pm
Cafe meetup
Date with Thomas
04:00 pm
Russian language class
Skype interview

Demonstration

Conclusion

01 A mobile application - serves its purpose

02 Fully utilizes the current technologies

03 An enhanced medical service