**Business Document**

**Business Problem Case:-** Appointment booking system for Patient
Reference Website : https://balcomedicalcentre.com/

**Frontend using:-** Angular
Frontend Microservices:
1. UI Microservice

**Backend using:-** SpringBoot Microservices
Backend Microservices:
1.  Patient Microservice
2.  Doctor Microservice
3.  Appointment Microservice

**Database** : Mysql

**Design:-** There are two main features in this project, the patient can book an appointment in an available slot and the doctor can view his bookings after log-in. The patient should register and sign in to book an appointment. To achieve this we are using two tables, one for a doctor having fields date and slots & another for patients whose fields will be their details, doctor name, and date of appointment along with slots.

**Screens:**

1.  Home Page
    First page that will be visible on visiting the site. It will contain Login/Signup buttons, list of Doctors available, their speciality etc.

2.  Login Page
    The patient will be required to give the details here for registering to the portal. Webcam will capture the image and store it in the database.

3.  Doctor Page
    This page will contain details of the doctor, and book appointment button.

4.  Booking Page
    The patients can book appointments from this page. The required fields will be Patient name, Mobile, Email, Address, Appointment Date and Time, etc.

5.  Payment Page
    After selecting the time slots and filling all the details, the patient will be redirected to the payment page. Patients should be able to print the appointment details after payment

confirmation.

6. Details Page
   Patients can view the scheduled appointment details, or change and update the details here.

7. Logout Page

**Features to be Implemented:**

1) JUnit

2) JWT

3) Maven

**Junit Test Cases:**
Write Junit test cases for following components:
1. Login
2. Doctor
3. Booking
4. Payment

**Balco Medical Center URL:**
https://balcomedicalcentre.com

**Website for creating Wireframe:**
1. https://app.uizard.io/

**Tools for testing API:**
1. Postman
2. Thunder Client VS code extension:
   https://marketplace.visualstudio.com/items?itemName=rangav.vscode-thunder-client