

# Book My Doctor Application Development

ELF / HTD Training Programs  
Java Full Stack - Use Cases

### 1. INTRODUCTION

This document outlines the Project. The project is to develop an Online Doctor Appointment Booking System. This document contains the work flow of the system and gives guidelines on how to build the functionality gradually in each of the course modules.

### 2. PROBLEM STATEMENT

People are going to hospital to book an appointment with a doctor and has to wait so much time to get an appointment. Even the appointment has to entered in a register.

### 3 OBJECTIVE

To remove all the manual work of the patents and receptionist and automate it via web application. This will create a platform for patents which they can see the availability of the doctor and book a doctor for an appointment very easily via web app.

### 4 ABSTRACT OF THE PROJECT

The book my doctor application will enable communication between doctors and patents, management of patents' prescription and management of doctors' day to day appointments.

### 5. IMPLEMENTATION

Following is a list of functionalities of the system. Wherever, the description of functionality is not adequate, you can make appropriate assumptions and proceed.

There are 3 types of users

- Admin
- Doctor
- Patent

#### 5.1 Admin Module

Admin has overall control of the system. The main features of admin module are given below.

- Manage appointments
- Manage Patient
- Manage doctors
- View Appointments statistics
- Rating Details

#### 5.2 Doctor Module

- Easy and User Friendly Sign Up, Sign In
- Account Password Recovery
- View Appointments
- Manage appointments
- Can updates edit profiles and can add images
- Can schedule their availability dates and the day they are on vacation

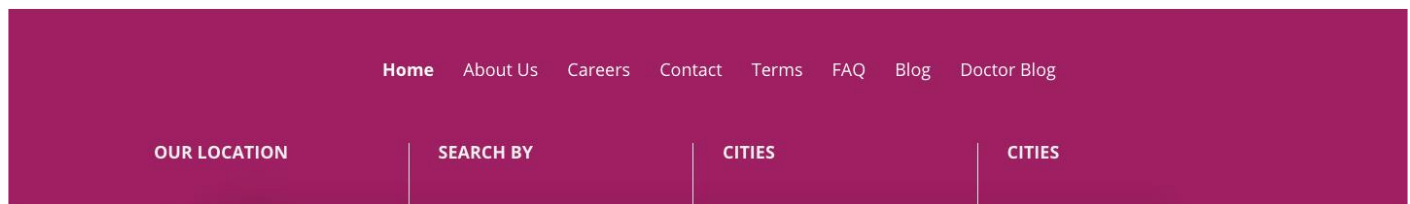
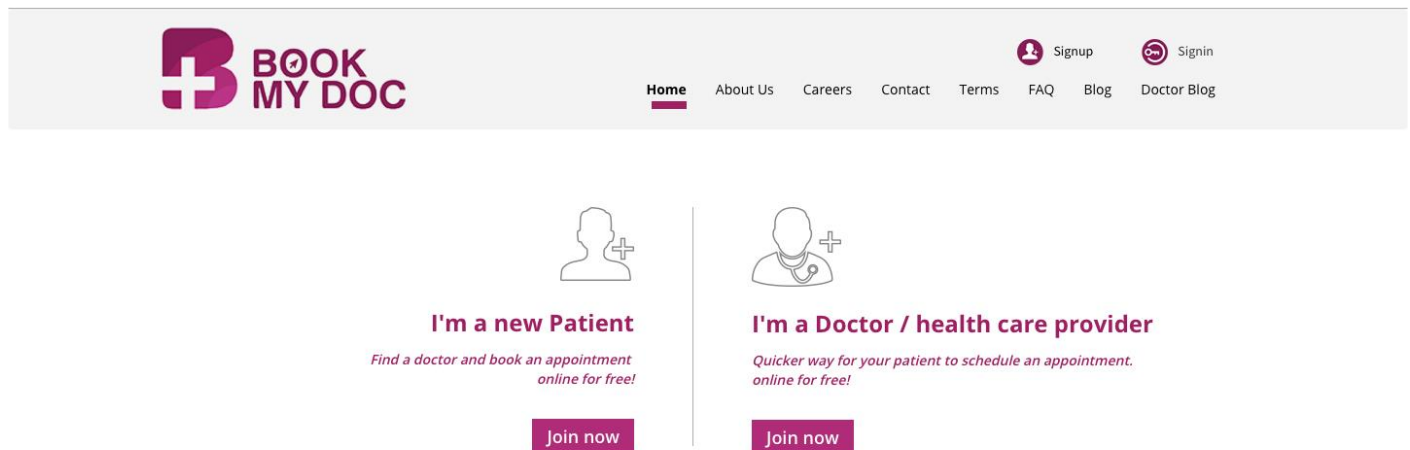
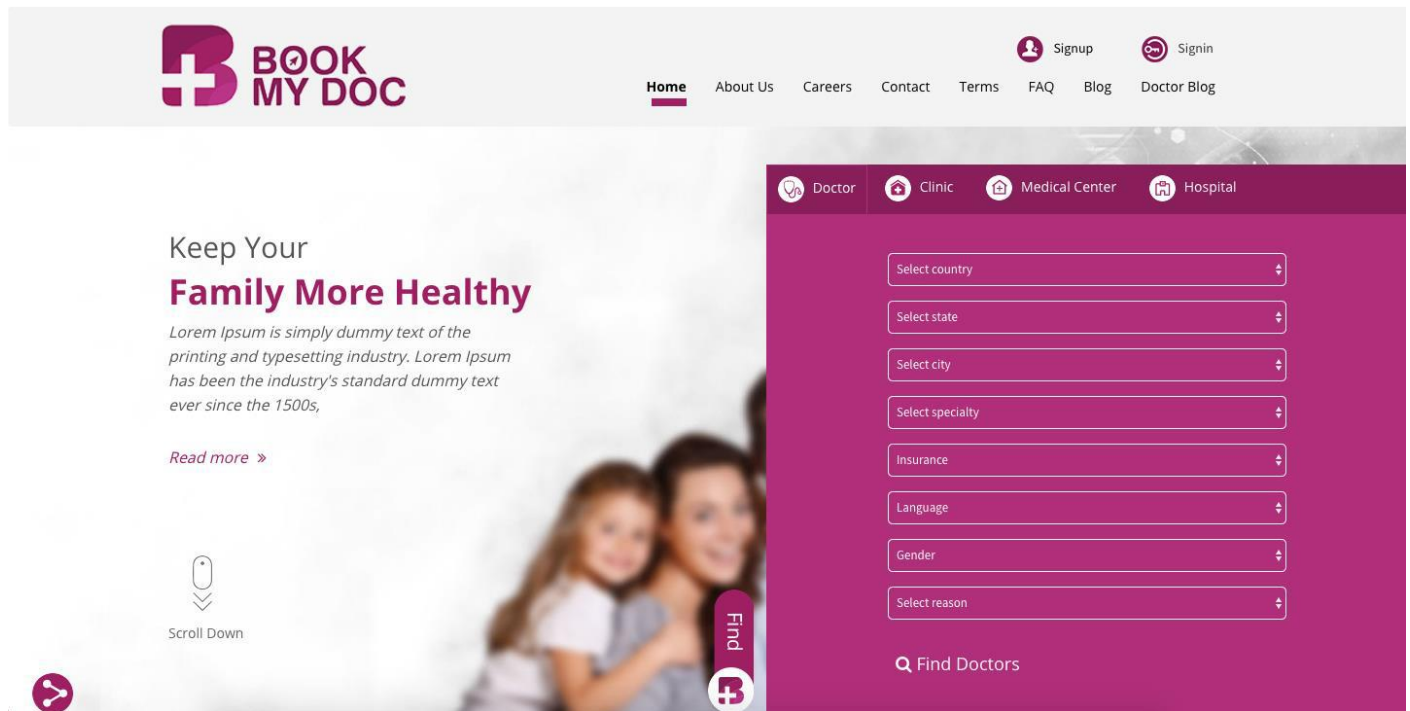
### 5.3 Patent Module

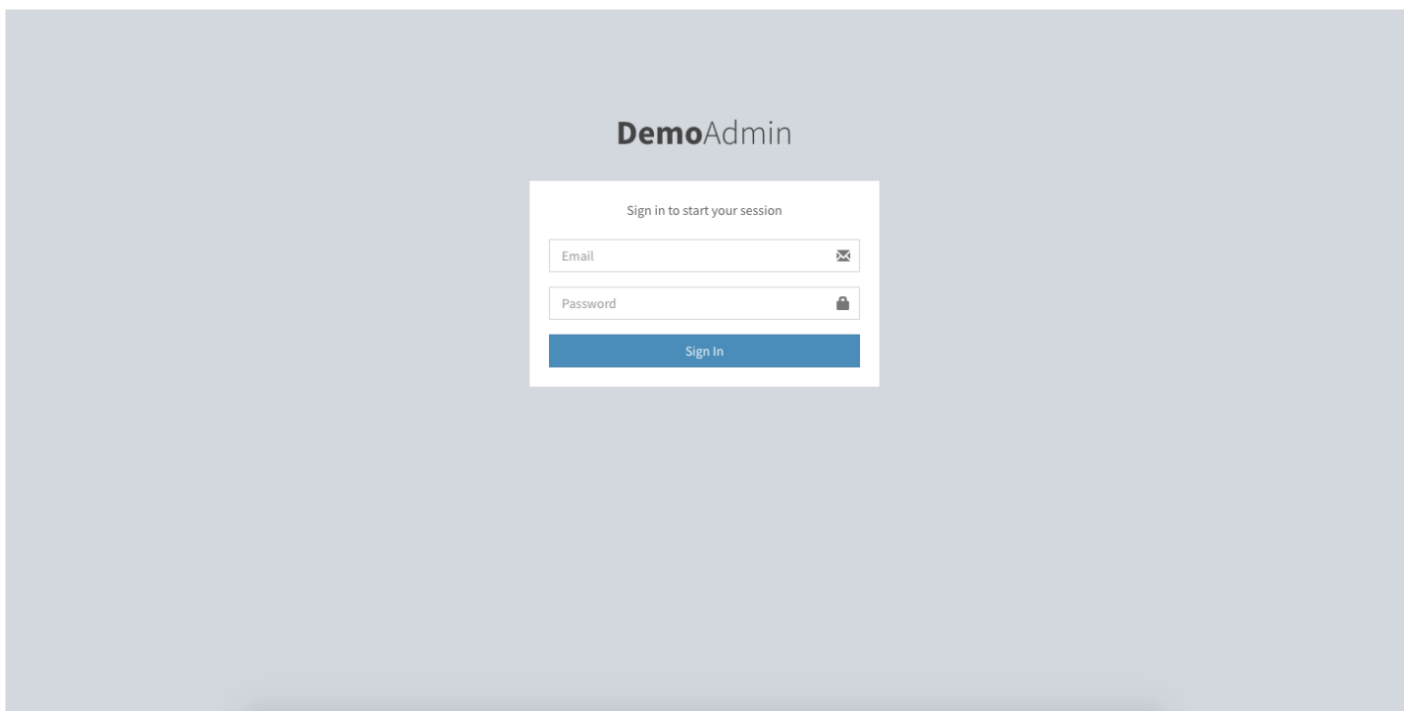
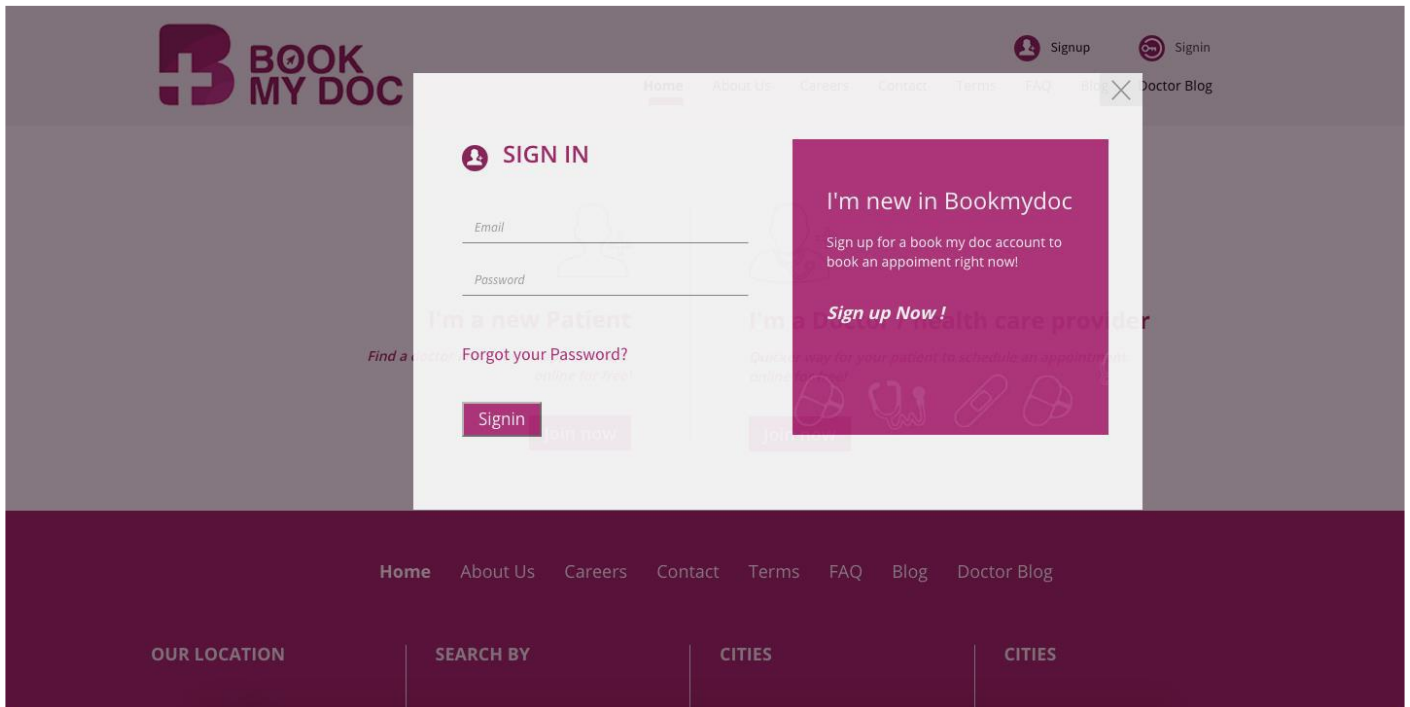
- Signup/Login
- Can choose and book an appointment at the flexible time and date
- Can search for doctor according to specialty and location
- Can write review about the doctor and can select doctors according to other user feedback
- Can access all previous check-in details and medical past appointments

### 5.4 Key Features

- Search Module
  - Searching a doctor for appointment is a main feature in the project
  - Agenda of the project lays on this functionality
- Appointment Booking
  - After the search patent should able to book a doctor for appointment according to the availability of a doctor
- Check-in form Submitting
  - For the appointment, patent has to fill a form related to their problems which doctor can review it online
- Appointment management
  - Doctor as well as Admin can manage the appointment according to the doctor availability
- Schedule a timing (Leave, Vacation etc.)
  - Doctor may go on leave or vacation
  - When they do, patent should not be able to get an appointment for that doctor
  - So doctor should be able to schedule some timing for their leave and vacation
- Past appointment Management
  - Doctors as well as patents should be able to open their previous appointment
  - Patents should able to open their previous appointment with any doctor
  - Doctor should able to open the previous appointment of the patent with him/her
- Ratings and Reviews
  - Patents should be able to give review, view it as well as edit it later for the doctors
  - Doctor should be able to view all the reviews which is given to him/her

## 6. SNAPSHOTS FOR THE PROJECT





Bookmydoc

admin  
Online

MAIN NAVIGATION

- Patient Details
- Doctor Details
- Clinic Details
- Medical Center Details
- Hospital Details
- Manage Location
- Manage Additional Details
- Settings
- Rating Details
- Doctor Appointment Details

View Patient Details

Home

Patient Details

View Patient Details

View Patient Details

Show 10 entries

Search:

Patient Firstname	Patient Lastname	Email	Patient Sex	Terms	Action
ron	weasley	patient@bookmydoc.com	male	agreed	View Edit Delete
voja	teja	voja@gmail.com	male	agreed	View Edit Delete
Nixon	Solomon	nixones@gmail.com	male	agreed	View Edit Delete
girijesh	ganesh	girijesh.techware@gmail.com	male	agreed	View Edit Delete
anoop	aa	a@gmail.com	male	agreed	View Edit Delete
praveen	john	praveen@gmail.com	male	agreed	View Edit Delete
jainy	joseph	jainymol@techware.in	female	agreed	View Edit Delete
mathew	mathew	mathew@gmail.com	male	agreed	View Edit Delete
kiran	kiran	kiran@gmail.com	male	agreed	View Edit Delete
raju	shun	raju.shun@live.com	male	agreed	View Edit Delete

## 7. TECHNOLOGY TO USE

Front End Technology

Angular 8.x

Back End Technology

Springboot 2.2.2,  
Hibernate with JPA 5.x

Server

Apache Tomcat 8.5

Database

MySQL 5.5