

GROUP - 1 (Java Tech Track Batch)

Mini Project (ELTP Training Phase - 2)

Team Members -

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SYNOPSIS

1. TITLE

Online Doctor Recommendation

2. INTRODUCTION

Life is becoming too busy to get medical appointments in person and to maintain a proper health care. We aim to create a real-time website which provides ease and comfort to patients for finding appropriate doctor and book an appointment sitting at home.

2.1 PROJECT BENEFITS

1. With help of this website, patients need not visit the hospital to get an appointment.
2. Users can get details of all doctors at one place and book appointment easily.

3. PROBLEM STATEMENT

If a person is ill and wants to visit a doctor for check-up, he or she needs to visit the hospital and waits until the doctor is available, also may have to wait in a queue while getting appointment.

4. OBJECTIVES

To create a simple interface through which patient can -

- Get list of doctors to consult based on health concerns
- Find all the doctors nearby
- Book an appointment online

5. INTENDED USER

1. Patient
2. Doctor

6. EXISTING SYSTEM

Patients have to visit the hospital for check-up and waits until the doctor is available. The patient also waits in a queue while getting appointment. If the doctor cancels the appointment for some emergency reasons, then the patient is not able to know about the cancelation of the appointment unless or until he or she visits the hospital. Limiting appointment count is difficult for doctors and they may have to work for extra time if there is huge number of patients.

6.1 LIMITATIONS

1. It is time consuming
2. No guarantee of getting appointment
3. Patient does not get information of appointment cancelation

7. PROPOSED SYSTEM

We intend to create a dynamic website through which patients can get details of all the doctors at one place, check for appointment availability and book appointment online. Using this website, doctors can limit appointment slots to maintain time bounds.

7.1 SYSTEM FEATURES

1. Patients get details of all nearby doctors.
2. Patients get proper suggestions of doctor based on their health concerns.
3. Patients can book appointment online.
4. Doctors can update count of appointment slots.
5. Doctors can accept or reject an appointment.
6. Patient or Doctor can cancel the appointment.

7.2 PROCESS FLOW

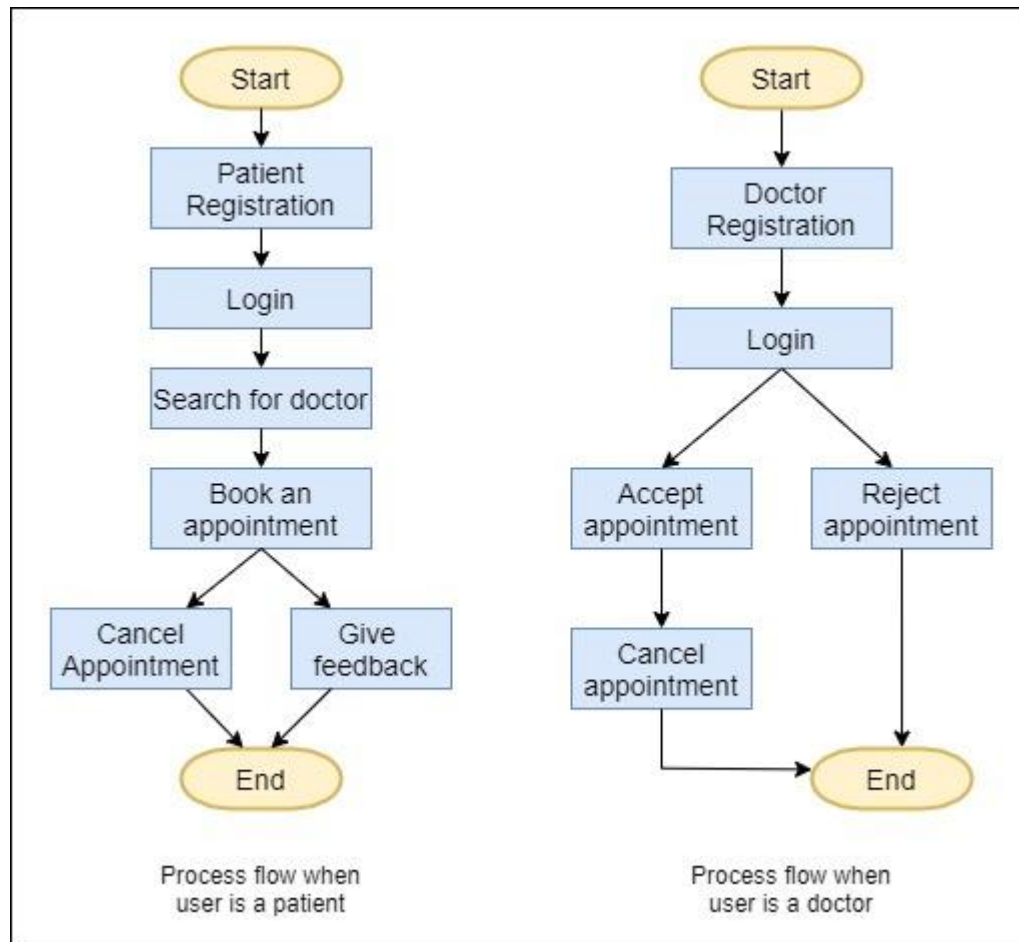


Figure 1: Process Flow

7.3 SOFTWARE REQUIREMENT

1. Spring Tool Suite
2. SQL server
3. Postman
4. GitHub

8. CONCLUSION

This website can save time and reduce efforts of users to find an appropriate doctor and getting appointment physically.

8.1 LIMITATIONS

1. Internet connection is required.
2. We need a greater number of doctors to register so that suggestions can be more precise.

8.2 FUTURE SCOPE

The system can be integrated to add functionalities for patients such as -

1. Direct chat with doctor.
2. Setting reminders for the appointments.
3. Saving the appointment date to the calendar.