



Old.St Labs Technical Assessment (Mid Level)

Introduction : The technical assessment is designed to assess the potential developers' technical knowledge on how to design and code a fully working system.

Technical Requirements:

- Create a full stack application that will allow users to book and accept doctors' appointments
- Frontend and Backend should be in separate projects
- Database should be an in-memory database (H2 or any in memory DB plugin available)
- Any 3rd party libraries can be used on both the backend and frontend projects

Functionality:

Booking Appointments:

- Date and Time for Appointments (from and to)
- Name of the Patients
- Comments

User Types and Functionality

- Scheduler
 - As a scheduler I should be able to create / edit / delete any appointments that have not yet been accepted by any Doctor and assign a Doctor available for that scheduled appointment
 - As a scheduler I should be able to change status of a Doctor
 - As a scheduler I should be able to search / filter all appointments

records by a Date Range

- Doctor
 - As a doctor I should be able to accept appointments assigned to me
 - As a doctor I should be able to change my status
 - As a doctor I should be able to receive appointments emails
 - As a doctor I should be able to list and filter all assigned appointments to me

Business Rules:

- No overbooking of appointments should be allowed per Doctor
- Appointments are only allowed from 9:00AM - 5:00 PM Mon - Sat
- The entire system should only accept a maximum of 5 appointments per day
- The system should only allow a doctor to have 3 maximum number of approved appointments per day
- The system should have a login system to determine the user type of the current user