System Requirements Specification Index

For

Doctor Appointment Application

Version 1.0

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1 BUSINESS-REQUIREMENT:

1.1 PROBLEM STATEMENT:

The purpose of this application is to allow a patient to book a doctor's appointment with specific date and time for any patient.

1.1.1 Doctor Appointment Application:

The Doctor Appointment Application allows you to:

1. Access home page
2. Should be able to book a new appointment
3. It can have basic fields like Patient Name, Appointment Date (dd-MM-yyyy) and Appointment Time (HH:mm:ss).
4. Should be able to get the list of appointments.
5. Should be able to edit and delete any appointment.

2. Template Code Structure:

2.1 Appointment Controller

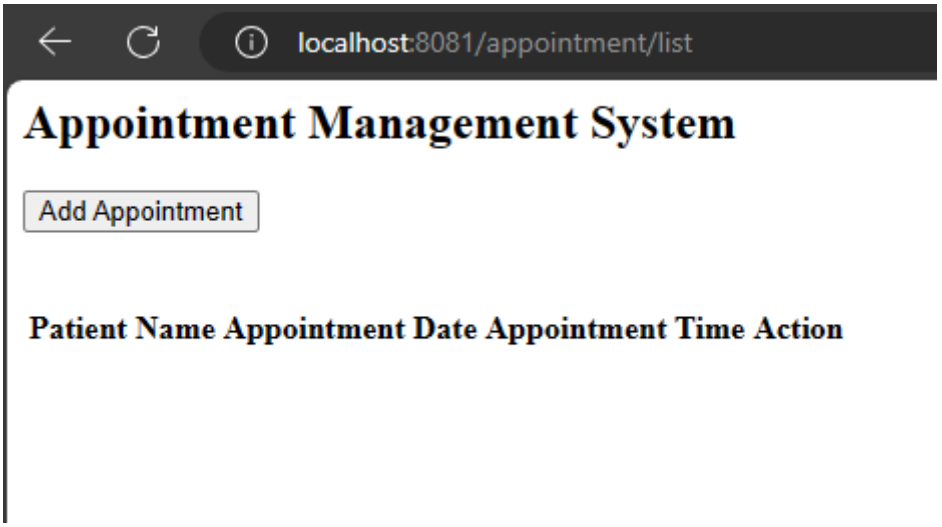
Method Exposed	Purpose
listAppointments()	Should return page "list-appointments" with required data.
showFormForAdd()	Should return the page "appointment-add" for booking an appointment.
saveAppointment()	Should book an Appointment and return "appointment/list" with required data.
showFormForUpdate()	Should show appointment details in page "appointment-add" to edit an Appointment.
showFormForDelete()	Should delete an appointment and return "appointment/list" with required data.

3. Resources AVAILABLE:

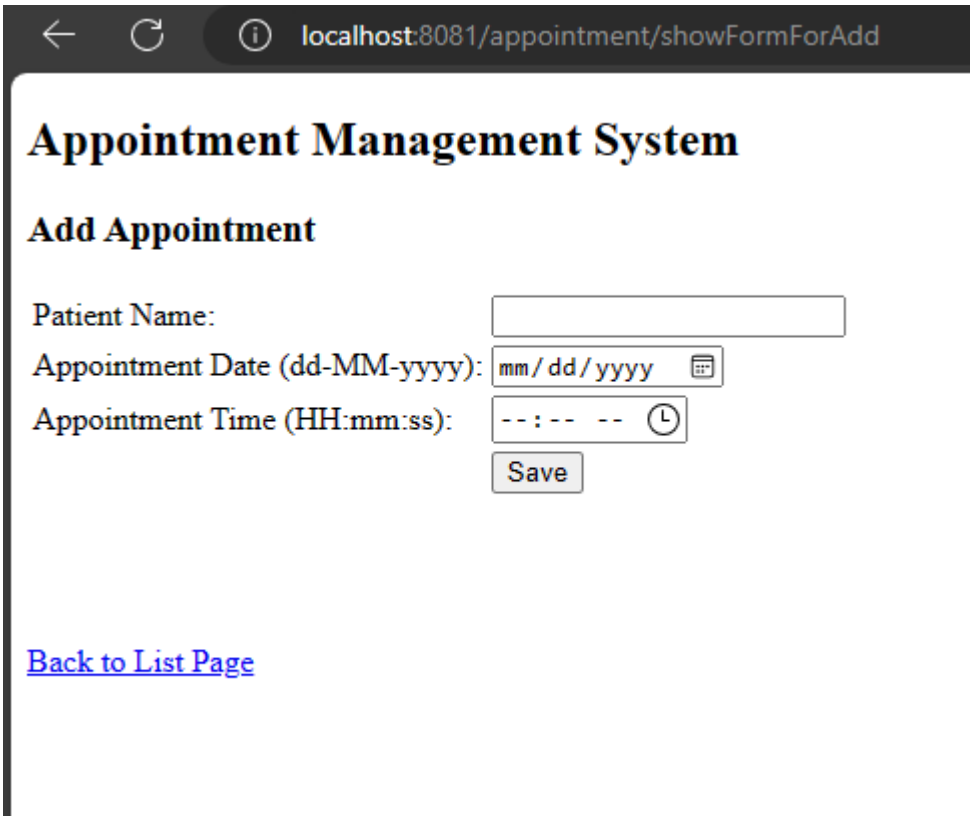
Description	View Pages Name	Remarks
Common UI		
Home Page	list-appointments	Contains a homepage which shows a list of all appointments along with options to add, edit and delete an appointment.
All appointments	list-appointments	
Add an appointment	appointment-add	
Update an appointment	appointment-add	

3 SUGGESTED WIREFRAMES:

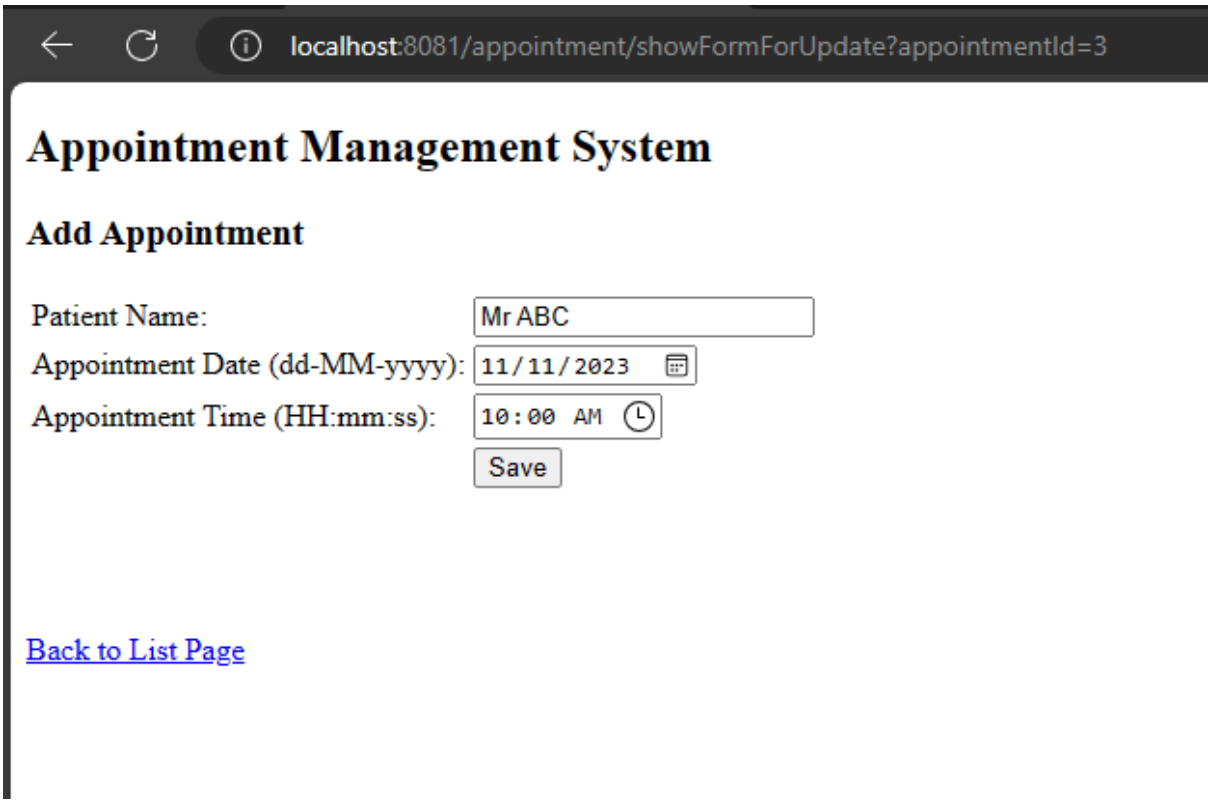
1. **Homepage –** Visitor Landing Page



2. Create an Appointment



3. Edit an Appointment



4 Business Validations

1. Id must be of type id.
2. Patient Name value not null, min 2 and max 40 characters.
3. Appointment Date not null.
4. Appointment Time value not null.

5 Considerations

The Code template already contains skeleton methods for service and controller layer. Please write your logic in it.

6 Execution Steps to Follow

1. **All actions like build, compile, running application, running test cases will be through Command Terminal.**
2. **To open the command terminal the test takers, need to go to Application menu (Three horizontal lines at left top) -> Terminal -> New Terminal**
3. **To build your project use command:**
   mvn clean package -Dmaven.test.skip
4. **To launch your application:**
   java -jar springboot-doctorappointment-service-0.0.1-SNAPSHOT.war
5. **This editor Auto Saves the code**
6. **If you want to exit(logout) and continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use CTRL+Shift+B-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.**
7. **These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.**

8. **To test any Restful application, the last option on the left panel of IDE, you can find ThunderClient, which is the lightweight equivalent of POSTMAN.**
9. **This is a web-based application, to run the application on a browser, use the internal browser in the workspace. Click on the second last option on the left panel of IDE, you can find Browser Preview, where you can launch the application.**

   Note: The application will not run in the local browser
10. **Default credentials for MySQL:**
    a. **Username: root**
    b. **Password: pass@word1**
11. **To login to mysql instance: Open new terminal and use following command:**
    a. **sudo systemctl enable mysql**
    b. **sudo systemctl start mysql**
    c. **mysql -u root -p**

       The last command will ask for password which is 'pass@word1'
12. **Mandatory: Before final submission run the following command:**

    mvn test
13. **You need to use CTRL+Shift+B - command compulsorily on code IDE, before final submission as well. This will push or save the updated contents in the internal git/repository, and will be used to evaluate the code quality.**