System Requirements Specification Index

For

Property Listing Application

Version 1.0

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Contents

1 BUSINESS-REQUIREMENT:

1.1 PROBLEM STATEMENT:

The purpose of this application is to manage all properties. Where users can add, edit and delete their properties.

1.1.1 Property Listing Application:

The Property Listing Application allows you to:

1. Access home page
2. Should be able to add a new property.
3. It can have basic fields like Name, Address, Dimensions, Rooms & Price.
4. Should be able to get the list of properties.
5. Should be able to edit and delete any property.

2. Template Code Structure:

2.1 Property Controller

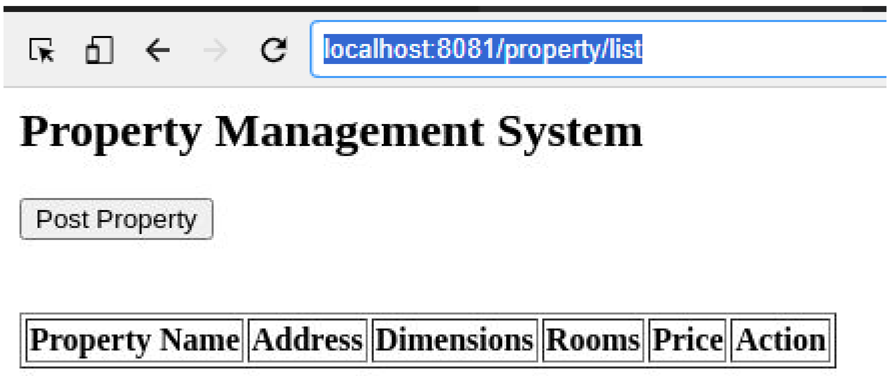
Method Exposed	Purpose
listProperties()	Should return page “list-properties” with required data.
showFormForAdd()	Should return page “property-add” for adding a property.
saveProperty()	Should save a property and return “property/list” with required data.
showFormForUpdate()	Should show property details in page “property-add” to edit an Issue.
showFormForDelete()	Should delete an property and return “property/list” with required data.

3. Resources AVAILABLE:

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

3 SUGGESTED WIREFRAMES:

1. Homepage – Visitor Landing Page

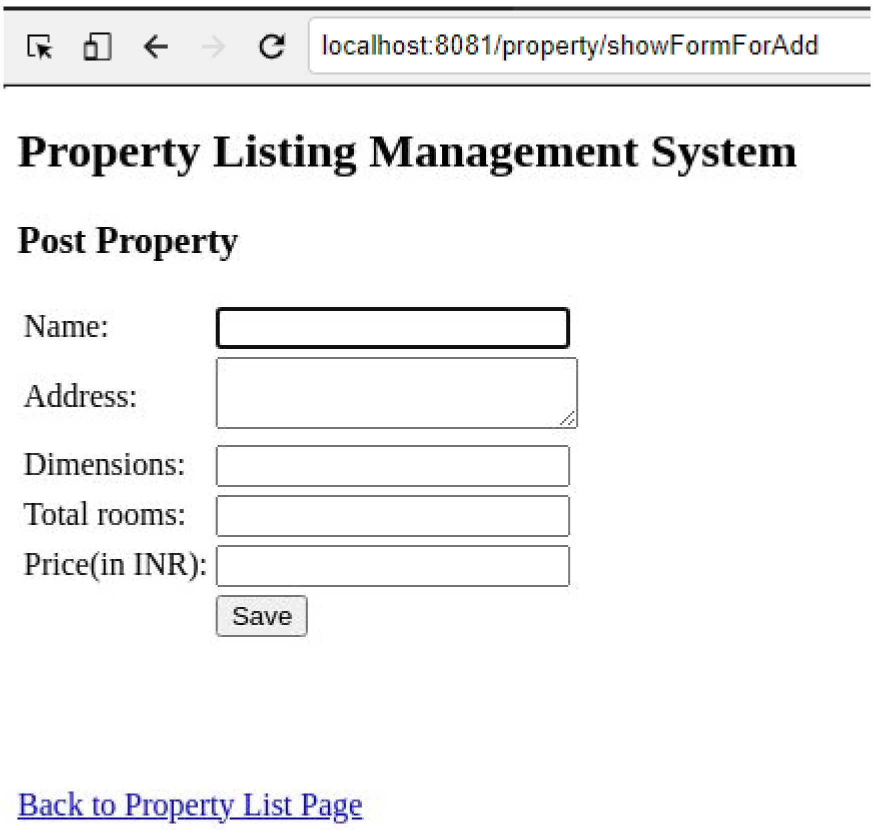


localhost:8081/property/list

Property Management System

Property Name	Address	Dimensions	Rooms	Price	Action

2. Create a Property



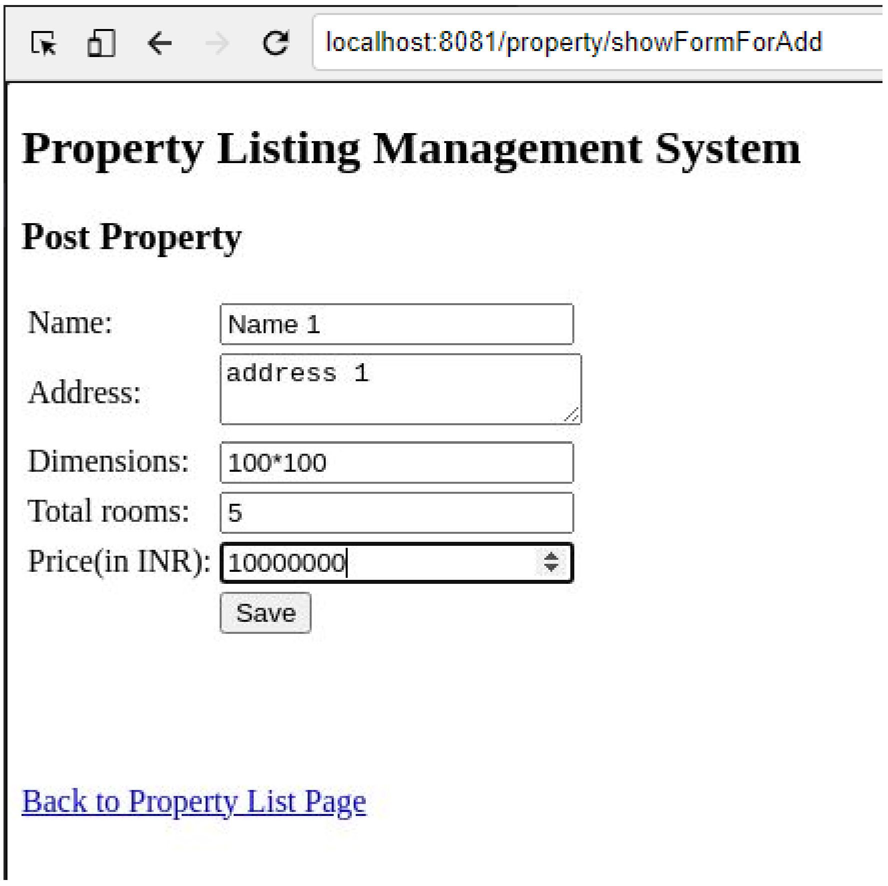
localhost:8081/property/showFormForAdd

Property Listing Management System

Post Property

Name:	
Address:	
Dimensions:	
Total rooms:	
Price(in INR):	
	Save

Back to Property List Page

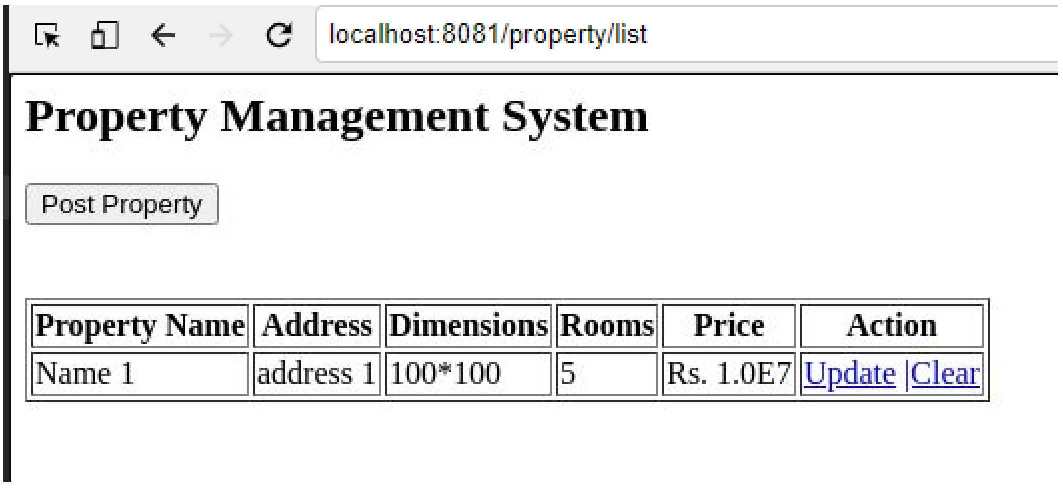

localhost:8081/property/showFormForAdd

Property Listing Management System

Post Property

Name:	Name 1
Address:	address 1
Dimensions:	100*100
Total rooms:	5
Price(in INR):	10000000

Save
Back to Property List Page



Property Management System

Property Name	Address	Dimensions	Rooms	Price	Action
Name 1	address 1	100*100	5	Rs. 1.0E7	Update |Clear

Business Validations

1. Id must be of type id.
2. Name value not null, min 3 and max 20 characters.
3. rice value not null.
4. Rooms value not null.
5. Dimensions not null and min 3 and max 10 characters.
6. Address value not null, min 3 and max 200 characters.

4 Considerations

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

5 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-property-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.**