
System Requirements Specification Index

For

Recipe Book

Version 1.0

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Contents

1	Business-Requirement:	3
1.1	Problem Statement	3
1.1.1	Recipe Book	3
2.	Template Code Structure	4
2.1	Recipe Controller	4
2.2	Resources Available	4
3	Suggested Wireframes	5
4	Business Validations	9
5	Considerations	9
6	Execution Steps to Follow	10

1 BUSINESS-REQUIREMENT:

1.1 PROBLEM STATEMENT:

The Recipe Book application offers a comprehensive platform for culinary enthusiasts to manage their favorite recipes efficiently.

You are tasked to create a user-friendly platform that enables users to add new recipes with fields like title, recipe description, ingredients, and cook time. Users should be able to view a sortable list of all recipes. It should also include functionalities to edit and delete any recipe and search for recipes by name. The system should also incorporate a feature to update the status of each recipe, with options such as Pending, Approve, or Reject, to streamline recipe management and approval processes.

1.1.1 Recipe Book:

The Recipe Book allows you to:

1. Access the home page.
2. Should be able to add a new recipe.
3. It can have basic fields like title, recipe description, ingredients and cook time.
4. Should be able to get the list of recipes along with options to sort in ascending and descending order in each field.
5. Should be able to edit and delete any recipe.
6. Should be able to search for a recipe by recipe name.
7. Should be able to update the recipe status (Pending / Approve / Reject).

2. TEMPLATE CODE STRUCTURE:

2.1 RECIPE CONTROLLER

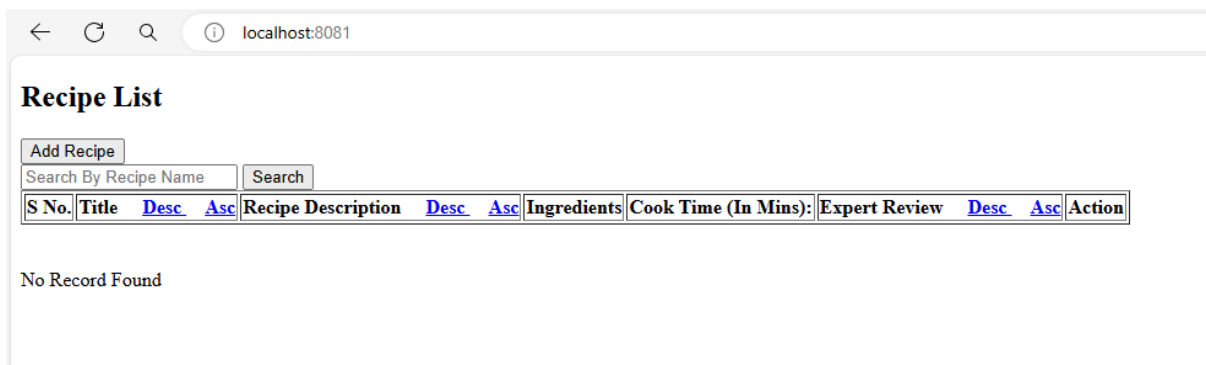
Method Exposed	Purpose
listRecipes()	Should return page "list-recipes" with required data.
showFormForAdd()	Should return page "add-recipe-form" for adding an event.
saveRecipe()	Should save an event and return "recipe/list" with required data.
showFormForUpdate()	Should show event details in page "update-recipe-form" to edit an event.
deleteRecipe()	Should delete a recipe and return "recipe/list" with required data.
searchRecipes()	Should search a recipe and return "list-recipes" with required data.
updateStatus()	Should show the status of a recipe (Pending/Approved/Rejected).

2.2 RESOURCES AVAILABLE:

Description	View Pages Name	Remarks
Common UI		
Home Page	list-recipes	Contains a homepage which shows a list of all recipes along with options to add, edit , delete and search a recipe.
All recipes	list-recipes	
Add a recipe	add-recipe-form	
Update a recipe	update-recipe-form	
Search a recipe	list-recipes	

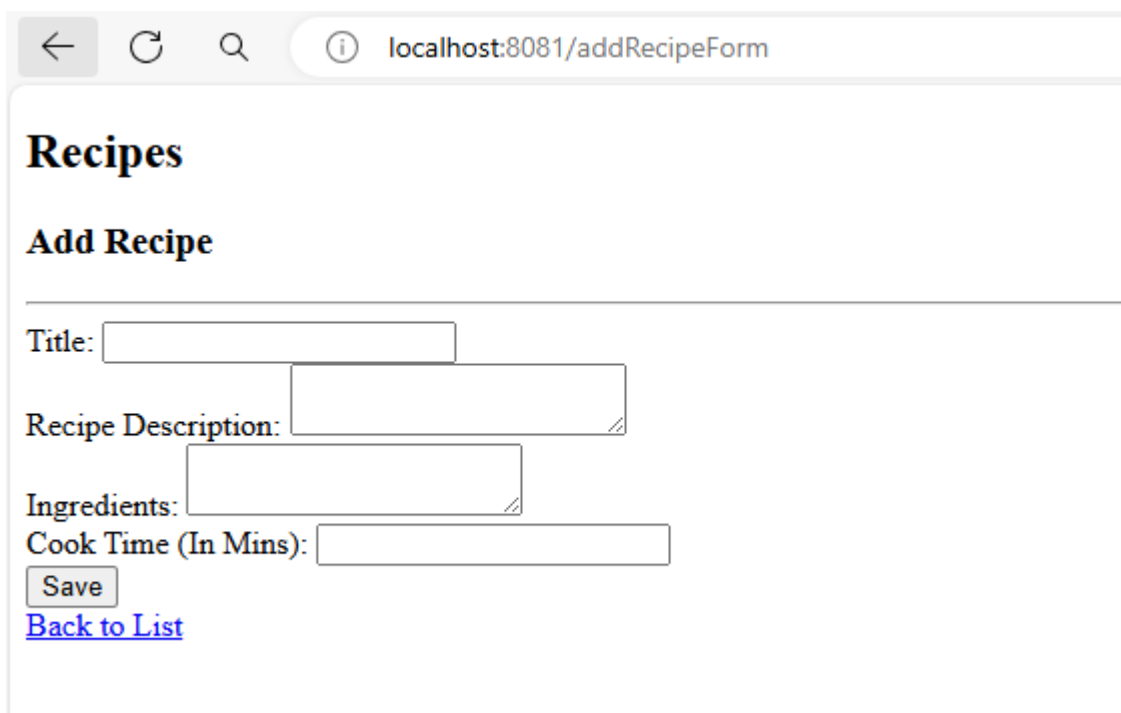
3 SUGGESTED WIREFRAMES:

1. Homepage – Visitor Landing Page



A screenshot of a web browser showing a page titled "Recipe List". The browser's address bar displays "localhost:8081". Below the title, there is a button labeled "Add Recipe". Underneath this is a search bar with the placeholder text "Search By Recipe Name" and a "Search" button. Below the search bar is a table with the following columns: "S No.", "Title" (with sub-links "Desc" and "Asc"), "Recipe Description" (with sub-links "Desc" and "Asc"), "Ingredients", "Cook Time (In Mins)", "Expert Review" (with sub-links "Desc" and "Asc"), and "Action". The table is currently empty, and the text "No Record Found" is displayed below it.

2. Create a Recipe



A screenshot of a web browser showing a page titled "Recipes" with a sub-header "Add Recipe". The browser's address bar displays "localhost:8081/addRecipeForm". The form contains the following fields: "Title:" followed by a text input field; "Recipe Description:" followed by a text area; "Ingredients:" followed by a text area; and "Cook Time (In Mins):" followed by a text input field. At the bottom of the form, there is a "Save" button and a blue hyperlink labeled "Back to List".

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localhost:8081/addRecipeForm

Recipes

Add Recipe

Title:

Tofu Tikka Masala

Recipe Description:

Tofu tikka masala is a hearty meal,

Ingredients:

garlic paste
4) half spoon malasa

Cook Time (In Mins):

25

Save

[Back to List](#)

3. Recipe List

← ↺ 🔍 localhost:8081/recipe/list

Add Recipe

Search By Recipe Name

Search

S No.	Title Desc. Asc	Recipe Description Desc. Asc	Ingredients	Cook Time (In Mins):	Expert Review Desc. Asc	Action			
1	Tofu Tikka Masala	Tofu tikka masala is a hearty meal, loaded with authentic Indian flavors!	1) 200 gms tofu 2) 1 spoon lemon 3) 1 spoon ginger garlic paste 4) half spoon malasa	25 Mins	PENDING	Update	Delete	Approve	Reject
2	Salmon Rice Bowl	These salmon rice bowl is delicious, light, refreshing, flavor-packed and come together under 45 mins.	Basmati rice, trumeric, butter, garlic powder, garam masala, black pepper	40 Mins	PENDING	Update	Delete	Approve	Reject
3	Chicken Madrs Curry	It's a spicy, hot,tangy and slightly sweet curry	Madras curry powder, garam masala, kashmiri red chilli, ginger garlic, coriander leaves, lemon juice, salt	45 Mins	PENDING	Update	Delete	Approve	Reject

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4. Update a Recipe

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localhost:8081/recipe/updateRecipeForm?recipeld=1

Recipes

Update Recipe

Title:

Recipe Description:

Tofu tikka is a hearty meal, loaded

Ingredients:

1) 250 gms tofu
2) 1 spoon lemon

Cook Time (In Mins):

Save

[Back to List](#)

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localhost:8081/recipe/list

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Recipe List

Add Recipe

Search By Recipe Name

S No.	Title Desc Asc	Recipe Description Desc Asc	Ingredients	Cook Time (In Mins):	Expert Review Desc Asc	Action	
1	Tofu Tikka	Tofu tikka is a hearty meal, loaded with authentic Indian flavors!	1) 250 gms tofu 2) 1 spoon lemon 3) 1 spoon ginger garlic paste 4) half spoon malasa	20 Mins	PENDING	Update Delete Approve Reject	
2	Salmon Rice Bowl	These salmon rice bowl is delicious, light, refreshing, flavor-packed and come together under 45 mins.	Basmati rice, trumeric, butter, garlic powder, garam masala, black pepper	40 Mins	PENDING	Update Delete Approve Reject	
3	Chicken Madrs Curry	It's a spicy, hot,tangy and slightly sweet curry	Madras curry powder, garam masala, kashmiri red chilli, ginger garlic, coriander leaves, lemon juice, salt	45 Mins	PENDING	Update Delete Approve Reject	

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5. Delete a Recipe

← ↻ 🔍 localhost:8081/recipe/list

Recipe List

Add Recipe

Search By Recipe Name

Search

localhost:8081 says

Are you sure you want to delete this recipe?

OK Cancel

S No.	Title Desc Asc	Recipe Description Desc Asc	Ingredients	Cook Time (In Mins):	Expert Review Desc Asc	Action			
1	Tofu Tikka	Tofu tikka is a hearty meal, loaded with authentic Indian flavors!	1) 250 gms tofu 2) 1 spoon lemon 3) 1 spoon ginger garlic paste 4) half spoon malasa	20 Mins	PENDING	Update	Delete	Approve	Reject
2	Salmon Rice Bowl	These salmon rice bowl is delicious, light, refreshing, flavor-packed and come together under 45 mins.	Basmati rice, trumeric, butter, garlic powder, garam masala, black pepper	40 Mins	PENDING	Update	Delete	Approve	Reject
3	Chicken Madrs Curry	It's a spicy, hot,tangy and slightly sweet curry	Madras curry powder, garam masala, kashmiri red chilli, ginger garlic, coriander leaves, lemon juice, salt	45 Mins	PENDING	Update	Delete	Approve	Reject
4	Hyderabadi Chicken Briyani	This is the easiest briyani since it needs no sauteing of spices or meat.	curd, salt, briyani masala, red chili powder, green chili, basmati rice, cardamom powder	30 Mins	PENDING	Update	Delete	Approve	Reject

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← ↻ 🔍 localhost:8081/recipe/list

Recipe List

Add Recipe

Search By Recipe Name

Search

S No.	Title Desc Asc	Recipe Description Desc Asc	Ingredients	Cook Time (In Mins):	Expert Review Desc Asc	Action			
1	Tofu Tikka	Tofu tikka is a hearty meal, loaded with authentic Indian flavors!	1) 250 gms tofu 2) 1 spoon lemon 3) 1 spoon ginger garlic paste 4) half spoon malasa	20 Mins	PENDING	Update	Delete	Approve	Reject
2	Chicken Madrs Curry	It's a spicy, hot,tangy and slightly sweet curry	Madras curry powder, garam masala, kashmiri red chilli, ginger garlic, coriander leaves, lemon juice, salt	45 Mins	PENDING	Update	Delete	Approve	Reject
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6. Search a Recipe

← ↻ 🔍 localhost:8081/recipe/search

Recipe List

Add Recipe

briyani

Search

S No.	Title Desc Asc	Recipe Description Desc Asc	Ingredients	Cook Time (In Mins):	Expert Review Desc Asc	Action			
1	Hyderabadi Chicken Briyani	This is the easiest briyani since it needs no sauteing of spices or meat.	curd, salt, briyani masala, red chili powder, green chili, basmati rice, cardamom powder	30 Mins	PENDING	Update	Delete	Approve	Reject

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7. Recipe Status

Approve

localhost:8081/recipe/list

Recipe List

Add Recipe

Search By Recipe Name

Search

S No.	Title	Desc	Asc	Recipe Description	Desc	Asc	Ingredients	Cook Time (In Mins):	Expert Review	Desc	Asc	Action
1	Tofu Tikka			Tofu tikka is a hearty meal, loaded with authentic Indian flavors!			1) 250 gms tofu 2) 1 spoon lemon 3) 1 spoon ginger garlic paste 4) half spoon malasa	20 Mins	PENDING			Update Delete Approve Reject
2	Chicken Madrs Curry			It's a spicy, hot,tangy and slightly sweet curry			Madras curry powder, garam masala, kashmiri red chilli, ginger garlic, coriander leaves, lemon juice, salt	45 Mins	APPROVED			Update Delete
3	Hyderabadi Chicken Briyani			This is the easiest briyani since it needs no sauteing of spices or meat.			curd, salt, briyani masala, red chili powder, green chili, basmati rice, cardamom powder	30 Mins	PENDING			Update Delete Approve Reject

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Reject

localhost:8081/recipe/list

Recipe List

Add Recipe

Search By Recipe Name

Search

S No.	Title	Desc	Asc	Recipe Description	Desc	Asc	Ingredients	Cook Time (In Mins):	Expert Review	Desc	Asc	Action
1	Tofu Tikka			Tofu tikka is a hearty meal, loaded with authentic Indian flavors!			1) 250 gms tofu 2) 1 spoon lemon 3) 1 spoon ginger garlic paste 4) half spoon malasa	20 Mins	PENDING			Update Delete Approve Reject
2	Chicken Madrs Curry			It's a spicy, hot,tangy and slightly sweet curry			Madras curry powder, garam masala, kashmiri red chilli, ginger garlic, coriander leaves, lemon juice, salt	45 Mins	APPROVED			Update Delete
3	Hyderabadi Chicken Briyani			This is the easiest briyani since it needs no sauteing of spices or meat.			curd, salt, briyani masala, red chili powder, green chili, basmati rice, cardamom powder	30 Mins	REJECTED			Update Delete

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4 BUSINESS VALIDATIONS

1. Id must be of type id.
2. Title value should not be blank, min 2 and max 40 characters.
3. Description value should not be blank, min 2 and max 200 characters.
4. Ingredients should not be blank.
5. Cooktime is 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 <your application war file name>
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`

NOTE: After typing any of the above commands you might encounter any warnings.

>> Please note that these warnings are expected and can be disregarded. Proceed to the next step.

- 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.