**Please find below information on the Recipe spring boot application which has been shared.**

Inside the source folder , there is a controller package where RecipeController.java is present which is the starting point for this application

Server side input validation is done is business layer

For delete/update – assumption is made where the initial fetch from db is done with the name of the recipe and in case lot of recipes with the same name exists , first record is updated or deleted . This is an assumption made for this assignment

In memory db , H2 is used in the application along with spring data JPA for data persistence.

Unit test for each layer is present.

Integration is tested is added and is included in the maven build using maven-failsafe-plugin.

Static code analysis is done through sonar lint and the screen shot can be found below.

Open api version 3 is used for documentation and the swagger url’s can be found in the screen shot below.

server.port=9090 is configured in application.properties file

Start the spring boot application from the main class RecipeApplication

Url’s are:

<http://localhost:9090/recipe/save> - post method

<http://localhost:9090/recipe/update> - put method

<http://localhost:9090/recipe/delete> - delete method

<http://localhost:9090/recipes/search> - get method

Sample Request body for all the url’s :

{

"name": "sambar",

"isVegetarian": true,

"servings": 4,

"ingredients":"lentils",

"instructions":"stove"

}

PFB for the screen shot of the postman for POST and Get url’s.

In post please set Content-Type to application/json in header section.

In body , please select raw then json , then use the above sample json.

**Graphical user interface, application

Description automatically generated**

**Sonar lint result screenshot: NO ISSUES FOUNDGraphical user interface, application

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**Graphical user interface, text, application

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**SWAGGER CONFIGURATION:**

**Open api dependency 1.6.4 version is used:**

**Graphical user interface, text, application

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