20CS503 Fundamental of Scalable Computing Project
Title : Recipe Management

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The main focus of the project is on implementing APIs for Recipe Management Application. The project has the functionality to perform operations such as add, modify and delete the recipes, along with retrieval operations.

We have planned to implement the below five APIs for this project:

- Get all recipes (GET)
- Add recipe (POST)
- Update recipe (PUT)
- Delete recipe (DELETE)
- Get recipe by ID (GET)

API Design:

1. **Get all Recipes**
   Route : '/recipe"
   HTTP Request Method: GET
   Relevant HTTP Response Code: 200, 204
   Request: { }
   Response:
   ```
   {
           "RecipeID" : _____ ,
           "Recipe"   : _____ ,
           "Dish"     : _____ , ...
   }
   ```

2. **Add Recipe**
   Route : '/recipe'
   HTTP Request Method: POST
   Relevant HTTP Response Code: 200, 201, 400, 405
   Request:
   ```
   {
           "Recipe" : _____ ,
           "Dish"    : _____
   }
   ```
   Response: { }

3. **Update Recipe**
   Route : '/recipe/id'
   HTTP Request Method: PUT
   Relevant HTTP Response Code: 200, 201, 400, 405
   Request:
   {
         "RecipeID" : _____ ,
         "Recipe"   : _____
   }
   Response: { }

4. **Delete Recipe**
   Route : '/recipe/id'
   HTTP Request Method: DELETE
   Relevant HTTP Response Code: 200
   Request:
   {
         "RecipeID" : _____
   }
   Response: { }

5. **Get Recipe by ID**
   Route : '/recipe/id'
   HTTP Request Method: GET
   Relevant HTTP Response Code: 200, 204
   Request:
   {
         "recipeID" : _____
   }
   Response:
   {
         "RecipeID" : _____ ,
         "Recipe"   : _____ ,
         "Dish"   : _____
   }