Assignment 5 (group)
Due by: November 18th at 11:59pm 100 points

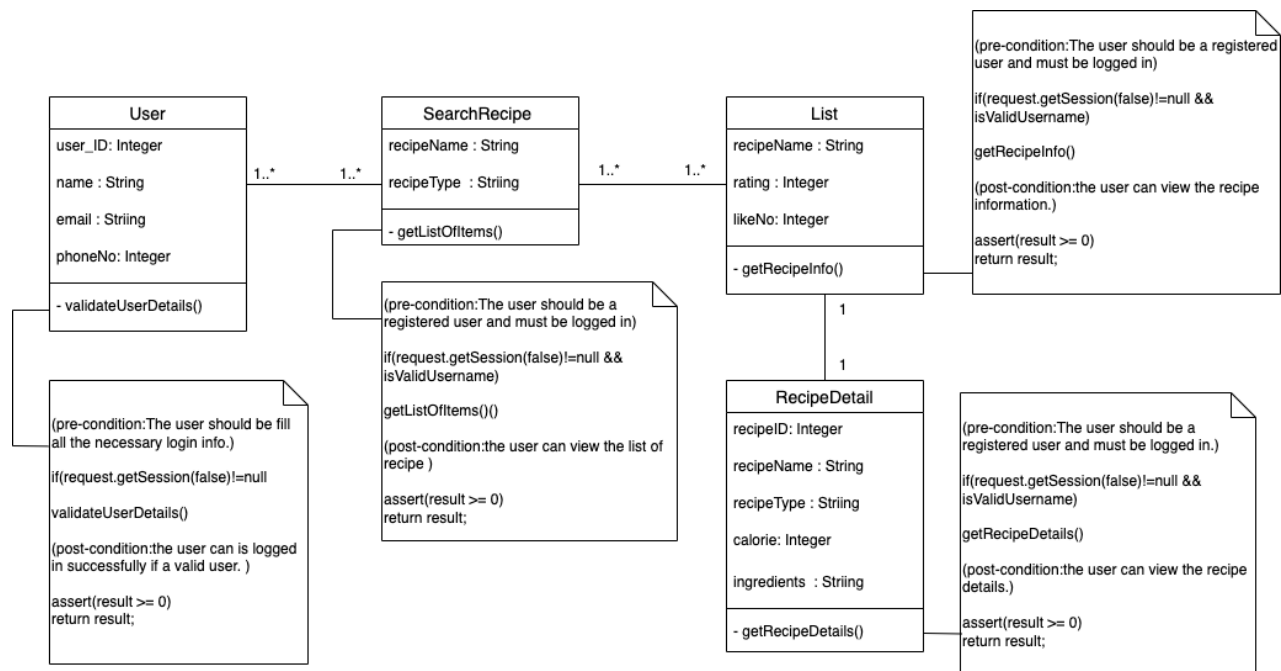**Draw class diagrams for your term project (100 points)**

Class Details:

User: The class user is used for getting all the necessary details of a user and to validate the details.
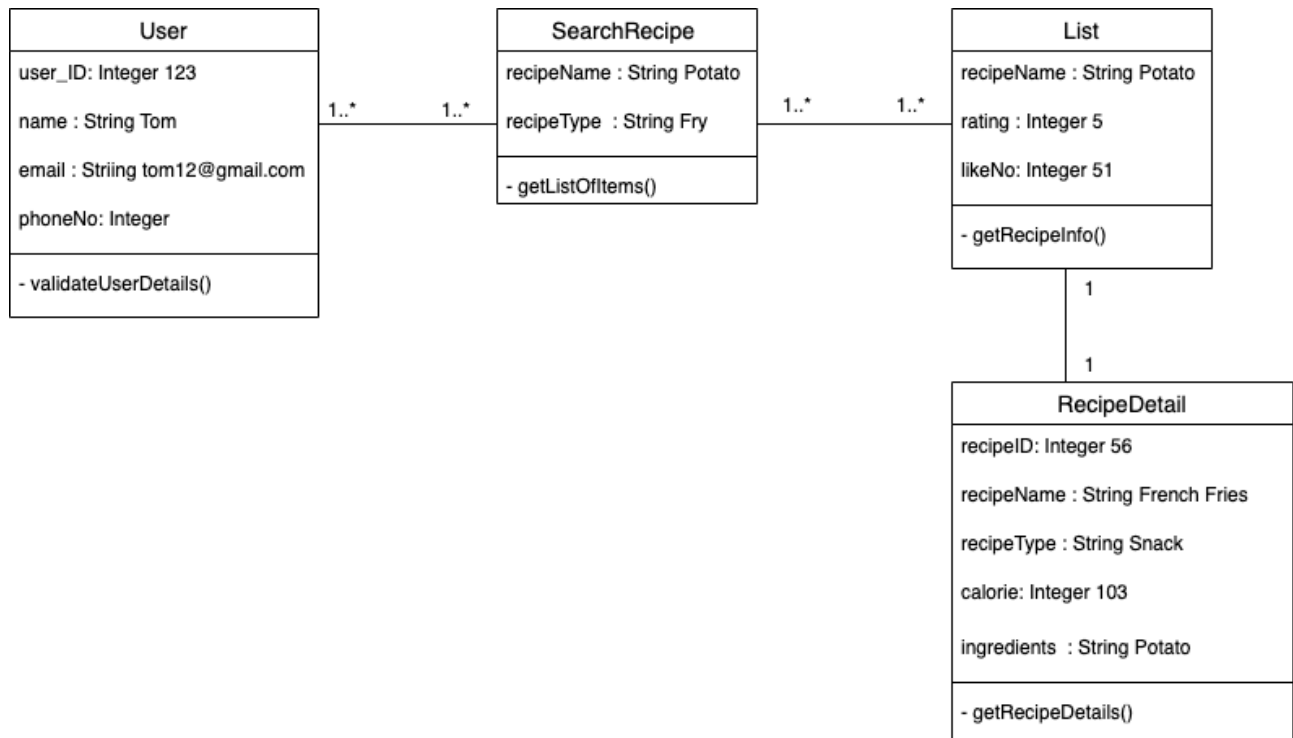
SearchRecipe: The class SearchRecipe is used by the users to search for list of recipes based on the recipe name and recipe type.

List: The class list is used to get a list of recipes based on the recipe name, rating or number of likes.

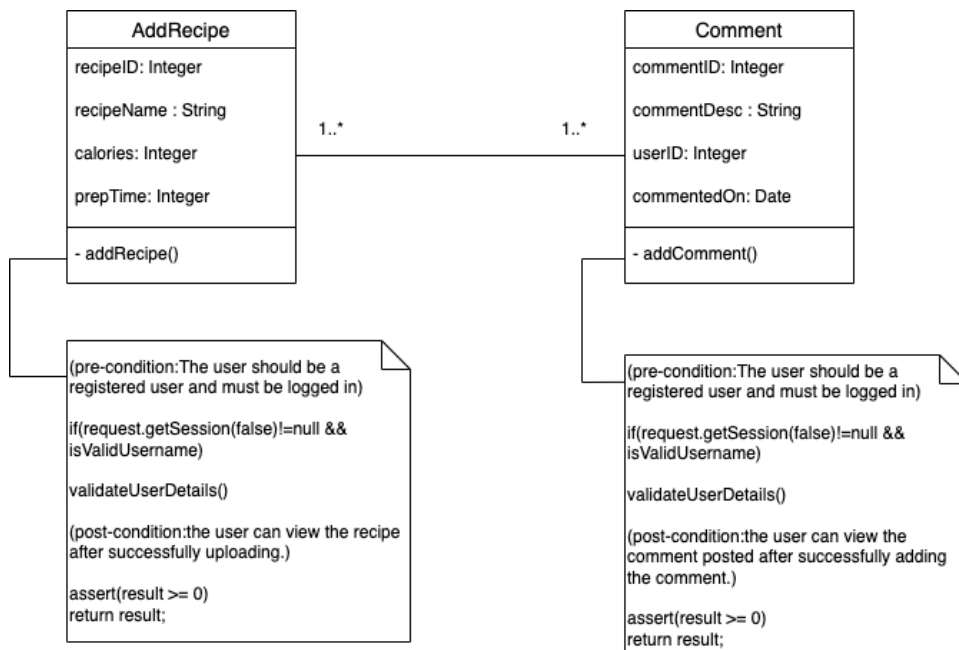RecipeDetail: The class is used to get the details of a recipe.

Object Diagram:

User

user_ID: Integer 123

name : String Tom

email : Striing tom12@gmail.com

phoneNo: Integer

- validateUserDetails()

1..*   1..*

SearchRecipe

recipeName : String Potato

recipeType : String Fry

- getListOfItems()

1..*   1..*

List

recipeName : String Potato

rating : Integer 5

likeNo: Integer 51

- getRecipeInfo()

1

1

RecipeDetail

recipeID: Integer 56

recipeName : String French Fries

recipeType : String Snack

calorie: Integer 103

ingredients : String Potato

- getRecipeDetails()

AddRecipe: The class AddRecipe is used to add a recipe to the system with the necessary details.

Comment: The class Comment is used to add a comment to the recipe.

AddRecipe

recipeID: Integer

recipeName : String

calories: Integer

prepTime: Integer

- addRecipe()

1..*   1..*

Comment

commentID: Integer

commentDesc : String

userID: Integer

commentedOn: Date

- addComment()

(pre-condition:The user should be a registered user and must be logged in)

if(request.getSession(false)!=null && isValidUsername)

validateUserDetails()

(post-condition:the user can view the recipe after successfully uploading.)

assert(result >= 0)
return result;

(pre-condition:The user should be a registered user and must be logged in)

if(request.getSession(false)!=null && isValidUsername)

validateUserDetails()

(post-condition:the user can view the comment posted after successfully adding the comment.)

assert(result >= 0)
return result;

Object Diagram:

AddRecipe
recipeID: Integer 78
recipeName : String Corn Salad
calories: Integer 103
prepTime: Integer 10
- addRecipe()

1..*   1..*

Comment
commentID: Integer 86
commentDesc : String Looks Yummy
userID: Integer 145
commentedOn: Date 11/12/2022
- addComment()