CooKar

Phase 1

Team 6

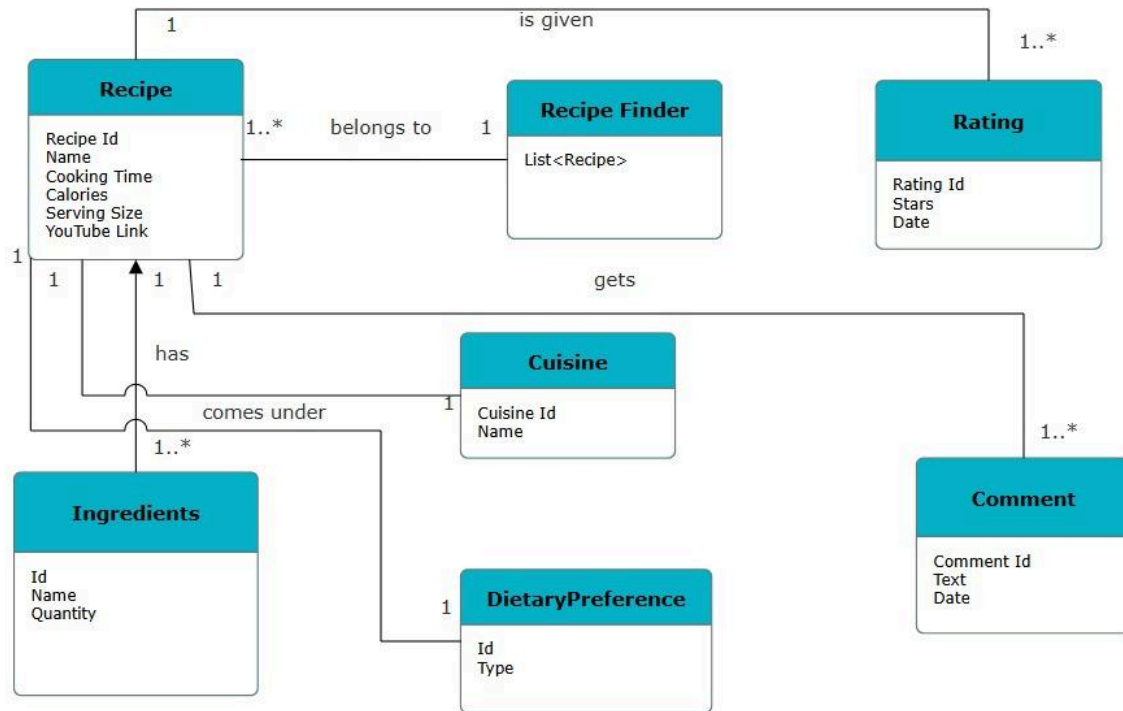| Member Name	Member Roll #	Primary Responsibility
Haadiyah Zafar	23L-0744	Templates and Use Case Diagram
Umaima Shahid	23L-0893	Use Case Diagram and Analysis Class Diagram
Anum Aamir	23L-0523	Templates and Analysis Class Diagram

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Use Case Diagram
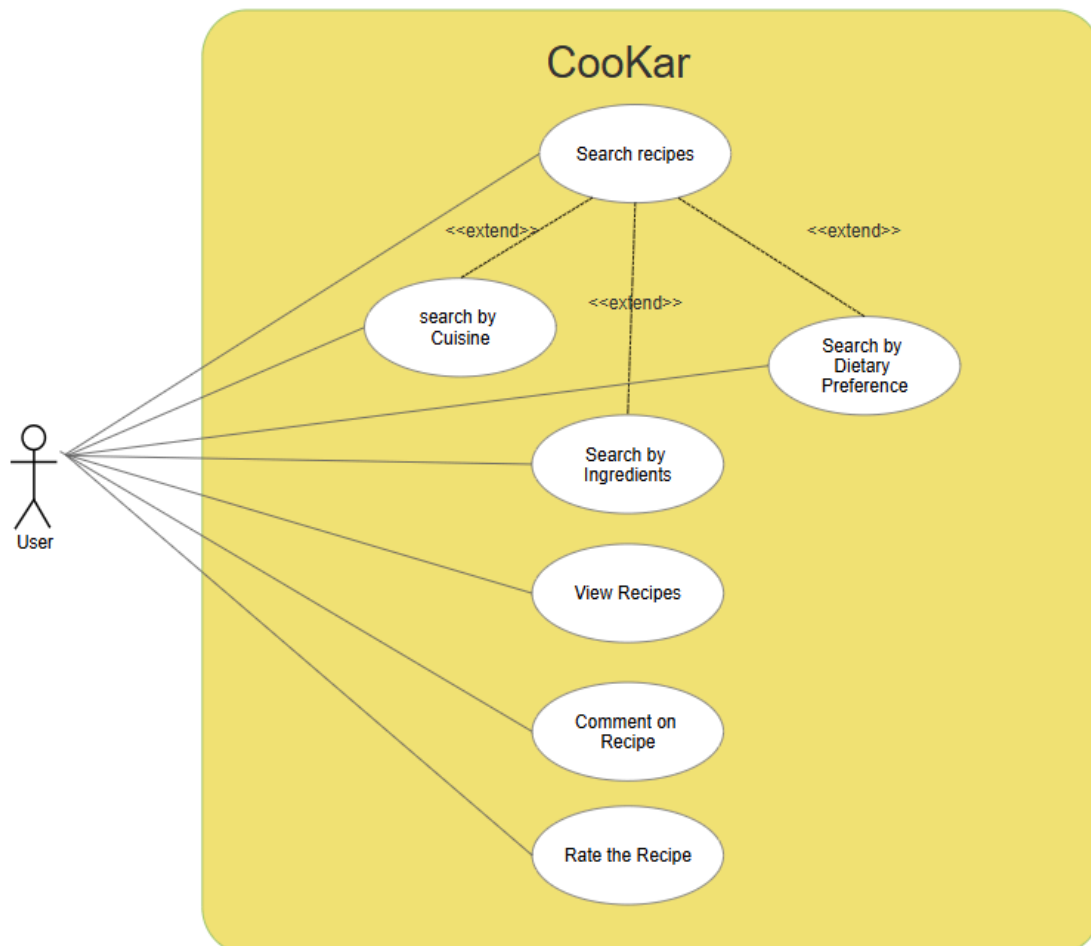
Analysis Class Diagram

Template I

	Identifier	UC-01
	Name	Search Recipe by Ingredients
	Summary	The user searches for recipes based on available ingredients.
	Priority	High
	Actors	User
	Pre-condition(s)	The system must contain recipes in the database. The user has opened the Recipe Finder website.
	Post-condition(s)	Recipes matching the entered ingredients are displayed.
		Typical Course of Action
S#	**Actor Action**	**System Response**
1	The user opens the search bar.	Displays input field for ingredients.
2	The user enters one or more ingredients.	System accepts the entered ingredients
3	User presses the "Search" button	The system searches the database for recipes containing those ingredients.
4		The system displays a list of matching recipes with name, cuisine, cooking time, and calorie count.
5	User selects a recipe from the list	The system displays full recipe details (ingredients, steps, video link, comments, ratings).
		Alternate Course of Action(5. Details not correct/invalid)
S#	**Actor Action**	**System Response**
		The system finds no matching recipes.
		The system displays a message: *"No recipes found for the given ingredients."*

Template II

	Identifier	UC-02
	Name	Filter Recipes by Cuisine
	Summary	User filters recipes by selecting a cuisine type
	Priority	Medium
	Actors	User
	Pre-condition(s)	The system must contain the recipes of that cuisine in the database.
	Post-condition(s)	Recipes belonging to selected cuisine are displayed.
		Typical Course of Action
S#	**Actor Action**	**System Response**
1	User selects a cuisine (e.g., Pakistani, Italian)	
2		System filters recipes
3		System displays filtered list.
		Alternate Course of Action(5. Details not correct/invalid)
S#	**Actor Action**	**System Response**
	No recipes in that cuisine	system shows message *"No recipes found in this cuisine."*

Template III

	Identifier	UC-03
	Name	Filter Recipes by Dietary Preference
	Summary	User filter recipes based on dietary preferences (vegan, keto, halal, etc.).
	Priority	Medium
	Actors	User
	Pre-condition(s)	The system must contain the recipes related to that diet in the database
	Post-condition(s)	Matching recipes displayed.
		Typical Course of Action
S#	**Actor Action**	**System Response**
1	User selects a dietary filter.	Displays input field for Dietary Preferences.
2		System applies filter.
3		System displays filtered recipes.
		Alternate Course of Action(5. Details not correct/invalid)
S#	**Actor Action**	**System Response**
	No recipes available for that diet	The system displays the message *"No recipes found for this preference."*

Template IV

	Identifier	UC-04
	Name	View Recipe Details
	Summary	User views complete recipe details.
	Priority	High
	Actors	User
	Pre-condition(s)	The recipe exists in the database.
	Post-condition(s)	Recipe details displayed.
		Typical Course of Action
S#	**Actor Action**	**System Response**
1	User selects a recipe	System displays: • Ingredients • Cooking time, servings, calories • Step-by-step instructions • YouTube video link • Ratings and comments
		Alternate Course of Action(5. Details not correct/invalid)
S#	**Actor Action**	**System Response**

Template V

	Identifier	UC-05
	Name	Add a Comment
	Summary	User comments on a recipe
	Priority	Medium
	Actors	User
	Pre-condition(s)	Recipe exists, system allows comments.
	Post-condition(s)	Comment saved and displayed.
		Typical Course of Action
S#	**Actor Action**	**System Response**
1	User enters a comment text.	
2	Presses "Post Comment."	The system validates input and saves the comment.
3		The system displays a new comment under the recipe.
		Alternate Course of Action(5. Details not correct/invalid)
S#	**Actor Action**	**System Response**
	Invalid input (empty comment, too long)	System asks user to re-enter

Template VI

	Identifier	UC-06
	Name	Rate a Recipe
	Summary	The user rates a recipe (1–5 stars).
	Priority	Medium
	Actors	User
	Pre-condition(s)	A recipe exists.
	Post-condition(s)	The rating is stored and the recipe's average rating is updated.
		Typical Course of Action
S#	**Actor Action**	**System Response**
1	User selects star rating.	System stores rating.
2		System updates average rating.
3		Displays new average on recipe page.
		Alternate Course of Action(5. Details not correct/invalid)
S#	**Actor Action**	**System Response**
	Invalid input	*System ignores and asks user to re-enter rating*

Template VII

	Identifier	UC-07
	Name	Search a Recipe
	Summary	User searches for a recipe by name
	Priority	Medium
	Actors	User
	Pre-condition(s)	The system must contain recipes in the database. The user has opened the Recipe Finder website.
	Post-condition(s)	A recipe with a matching name should be shown.
		Typical Course of Action
S#	**Actor Action**	**System Response**
1	The user opens the search bar.	
2	User presses the "Search" button	The system searches the database for recipes containing that recipe name.
3	User selects a recipe from the list	The system displays full recipe details (ingredients, steps, video link, comments, ratings).
		Alternate Course of Action(5. Details not correct/invalid)
S#	**Actor Action**	**System Response**
1		The system finds no matching recipes.