

CRC CARDS

Group 39 - Foodies

Interface Adapter

CommandLineInterface

<u>Responsibilities:</u>	<u>Collaborators</u>
Takes input from the user	Page
Takes output from the user	Command
Stores the current user	User
Holds the RecipeDatabase the user interacts with	RecipeDatabase
Stores the PageManager the user is using	
Returns available commands	

Entities

Page	
<u>Responsibilities:</u>	<u>Collaborators</u>
Stores a list of commands that can be called when the user is on this page	
Given user input, finds the command called	
Returns available commands	

User	
<u>Responsibilities:</u>	<u>Collaborators</u>
Stores preferences	RecipeBook
Stores email	PreferenceBook
Stores username	
Stores RecipeBook	

Recipe	
<u>Responsibilities:</u>	<u>Collaborators</u>
Stores the recipe details	RecipeGateway
Stores a unique code identifier for the recipe	RecipeDatabase
Stores the recipe ratings	
Stores serving number info	
Stores recipe type	

RecipeBook

<u>Responsibilities:</u>	<u>Collaborators</u>
Stores saved recipes in the recipe book	User
Retrieves a recipe from the RecipeBook	Recipe
Removes recipe	RecipeDatabase
Adds recipe	

Group	
<u>Responsibilities:</u>	<u>Collaborators</u>
Stores users in a group	User
Stores family preferences	RecipeBook
Stores number of group members	
Adds/invites users to a group	
Deletes a user from a group	
Stores a RecipeBook	

PreferenceBook

<u>Responsibilities:</u>	<u>Collaborators</u>
Stores the type of food (breakfast, lunch, dinner)	User
Stores any allergies/food restrictions	
Stores any ethnicity	
Adds allergies/dietary restrictions to the book	
Adds meal specific preferences (meal type, choose number of servings, etc)	
Removes meals specific preference	
Adds PreferenceBook to user class	

RecipeDatabase

Responsibilities:

Stores recipes

Collaborators

Recipe

DatabaseManager

Use Cases

PageManager

Responsibilities:

Creates all pages

Stores the current page

Allows for movement between pages

Collaborators

Command

RecipeRecommender

<u>Responsibilities:</u>	<u>Collaborators</u>
Predicts how much a certain user would like a certain recipe	Recipe
Given a list of recipes and a user, rank the recipes to form a recommendation list	User
Given a list of recipes and a list of users, find the most likely recipe that lal user like	
Requests a recipe to be rated	

UserManager

<u>Responsibilities:</u>	<u>Collaborators</u>
Adds new users	User
Deletes a user	
Stores a mapping of all usernames to users	

RecipeBookManager

<u>Responsibilities:</u>	<u>Collaborators</u>
Checks whether a recipe of a certain name is contained in a user's recipe book.	User
Checks whether a recipe object is contained in a user's recipe book.	Recipe
Manages a list of recipes in the user's recipe book.	RecipeBook
Removes a recipe of a certain name from a user's recipe book	
Removes a recipe from a user's recipe book	
Adds a recipe to a user's recipe book	

GroupManager

Responsibilities:

Collaborators

Creates a group

Family

Deletes a group

Adds a user to an existing group

Finds a recipe that the entire group likes

DatabaseManager

Responsibilities:

Collaborators

Filtering RecipeDatabase

Getting recipe

Removing recipe

Gateways

RecipeGateway

Responsibilities:

Gets recipes from a database

Collaborators

Recipe

Controllers

abstract

Command

<u>Responsibilities:</u>	<u>Collaborators</u>
Stores the name of the command	
Sotres a description of the command	
Stores a method that is run when the command is called	

CommandNotFound

(extends Command)

Responsibilities:

Tells the user that the called command is not found

Collaborators

AddToRecipeBookCommand

(extends Command)

Responsibilities:

Allows the user to add a recipe to their recipe book

Collaborators

CreateAccountCommand

(extends Command)

Responsibilities:

Collaborators

Allows the user to create a new account

SignInCommand

(extends Command)

Responsibilities:

Collaborators

Allows the user to sign into their account

SignOutCommand

(extends Command)

Responsibilities:

Allows the user to sign out of their account

Collaborators

GoBackCommand

(extends Command)

Responsibilities:

Allows the user to go back to the previous page

Collaborators

EnterRecipeBookCommand

(extends Command)

Responsibilities:

Allows the user to enter the page that allows them to modify and view their RecipeBook.

Collaborators

EnterRecipeViewerCommand

(extends Command)

Responsibilities:

Allows the user to enter the page that allows them to view new recipes

Collaborators

HelpCommand

(extends Command)

Responsibilities:

Allows the user to view the available commands

Collaborators

ListRecipeBookCommand

(extends Command)

Responsibilities:

Allows the user to view the recipes in their RecipeBook.

Collaborators

QuitCommand

(extends Command)

Responsibilities:

Allows the user to quit the program.

Collaborators

RateRecipeCommand

(extends Command)

Responsibilities:

Allows the user to rate a recipe

Collaborators

RemoveRecipeCommand

(extends Command)

Responsibilities:

Collaborators

Allows the user to remove a recipe from their RecipeBook.

UpdatePreferencesCommand

(extends Command)

Responsibilities:

Collaborators

Allows the user to update their preferences

FoodTypeFilter

Responsibilities:

Filters the recipes with given foodtype
(breakfast, lunch, dinner)

Collaborators

Filter