Recipe Manager Product Backlog

ID	Title	Story	Acceptance criteria	Tasks	Time estimate
1	View a recipe	As a user I want to view a recipe from the list of all recipes so that I can see which ingredients I need to have and which steps I need to follow to cook the meal.	The program should display the recipe that the user chooses from the list of recipes. The recipe should contain a list of ingredients and a list of steps. There should also be a container where all recipes can be saved to and fetched from.	-Create a Recipe class that contains a list of ingredients and a list of steps. -Create a Recipe Pool class that contains recipes. -Create a method for fetching a recipe from the recipe pool. -Create a User class that uses the method. -Create a Recipe Printer class for viewing the recipe.	1 day
2	View recipe list	As a user I want to see the list of recipes so that I can get an overview of all the recipes and look at the ones that I find interesting.	There should be a user menu where the user can choose to list all recipes in the recipe pool. Then the program should display all recipes from the recipe pool. When doing this, only the titles of the recipes should be shown. The user should be able to choose a recipe from the list and view it.	- Create a User Menu with an option list. -Add the option of viewing all recipes. - Create a method for printing the recipe list. See if Menu Printer can be used for this. - Create a menu for choosing a recipe from the list of recipes.	1 day
3	Add a recipe to recipe pool	As a dietitian I want to add recipes to the recipe pool so that users can make use of them.	The program should display an option of adding a recipe when the dietitian is signed in. There should be a way of adding a name to the recipe and lists of ingredients and steps. The recipe should then be saved to the recipe	- Create a method for entering details of a recipe and for adding it to the recipe pool. This can be in a separate recipe creator class. - Create a Dietitian class that can call the method for adding	1,5 days

#	Title	User Story	Description	Tasks	Estimate
			pool.	a recipe. - Create a menu class for the dietitian where the option of adding a recipe is presented. - Create a Menu Printer class that can be used for printing menus.	
4	View recipe from recipe list / Dietitian	As a dietitian I want to view recipes from the list of recipes so that I can get the information I need to plan my work.	The dietitian should be able to see a list of recipes and choose to view one of them in the same way as the user.	- Create a method in Dietitian that prints the list of recipes. The same menu as the one used for user could be called here.	1 hour
5	Generate recipe week	As a busy person (user) I want to generate a recipe week so that I can quickly plan a weekly menu.	The user should be presented with the option of generating a recipe week. Then the program prepares a list of seven different recipes. The same recipe should be prevented from showing up twice in the same week. And each recipe should be connected to a day. Then the program should display the recipe week to the user. And the user should be able to see the recipes from the recipe week.	- Create a recipe week class. - Write a method for picking 7 random recipes this could be in a separate class called RecipeWeekGenerator. - Add the option of generating a recipe week in the user menu. - Create a method for printing a Recipe Week. This could be in it's own separate printer class.	1 day

6	Generate as unique weeks as possible	As a food-lover (user) I want my recipe weeks to contain as many new recipes as possible (or recipes that I haven't used for as long time as possible) so that I can explore new recipes and try new dishes.	Some weight should be added to a recipe each time it is used to make it occur less frequently than unused recipes in future weeks. Recipes should be picked in a way that considers their weight.	- Add weight instance variable to Recipe class. - Set weight of recipe when recipe is added to the recipe pool. - Create a way to pick recipes by considering their weight. - Update recipe weight when it is added to a recipe week.	1 day
7	View current recipe week	As a user I want to see (return to) my recipe week once it has been created so that I don't need to save it elsewhere or write it down.	In the user menu there should be an option of viewing the current recipe week. When the user chooses this option the program should show the recipe week that has been generated for the current week.	- Give the RecipeWeek a weekNumber instance that identifies the week when the week is generated. This week number should be the current week number. Find a way to get this. - Save the recipe week as an instance variable in the User class. - Add the option of viewing current recipe week in user menu. - Write a method for getting the user's recipe week and for checking that its week number matches with the current week number.	1 day
8	View recipe of today	As a busy person (user) I want to see the recipe of today so that I can quickly get the information that I need to cook my dinner.	The program should display to the user the option of viewing today's recipe. Then the program should fetch the recipe that has been generated for today in the recipe week and show it to the	- Add the option of viewing today's recipe in the user menu. - Create a method in user class for fetching today's recipe from the recipe week and send it to the RecipePrinter.	0,5 day

		user.		
9	Retrieve past weeks	As a user I want to be able to see past recipe weeks so that I can easily go back to the recipes that I liked.	The recipe weeks that the user generates should be saved in some collection of recipe weeks. This collection could be an instance variable in the User class or a separate "database" in the program. The user should be able to see a list of the recipe weeks, choose a week and a recipe from that week.	- Add the option of viewing past recipe weeks in user menu. - Create a collection for saving the recipe weeks. Save it as an instance variable in user. - Create a method in User class that allows user to see the list of weeks. - Create a list of weeks -menu where the user can choose a week.	0,5 day
10	Changing between user types / Dietitian	As a dietitian I want to be able to sign out as a dietitian and sign in again as a user to be able to demonstrate the app to my patients.	The changes that the dietitian makes in the recipe pool should be saved when s/he sings out, so that the work doesn't disappear. And the program should display the updated recipe pool when next person signs in.	- Make the list of recipes in Recipe Pool static so that it stays the same. - Create a Person class that can be used to plug in a User or a Dietitian. - Create separate session loops for dietitian and user.	0, 5 day
11	Seeing recipe week again after signing out and in again.	As a user I want to be able to see my generated recipe week after signing out and in again so that I can go back to check the details whenever I want to.	When the user generates a recipe week it should be saved in a way that allows the program to retrieve it again after the user has logged out and in again. This could be a dummy database class that is separate from the User or a static instance variable.	- Create a prototype 'database class' for saving user's recipe week(s) with a static collection of recipe weeks. - Create a method for getting user's recipe week(s) from the database. - Load users recipe weeks from 'database class' when user signs in. - Save user's recipe weeks in database when user signs out.	0,5 day

| 12 | Editing a recipe | As a dietitian I want edit recipes when I have made a mistake so that my patients can get the correct information. | Dietitian should be able to choose a recipe from the recipe pool to edit it. S/he should be able to delete steps and ingredients and to add new steps and ingredients. | - Create a method in Dietitian for editing a recipe.
- Create a Recipe Editor -class that takes a recipe and edits it.
- Create an Element Deleter class that takes a recipe and removes ingredients or steps.
- Use RecipeCreator for adding steps and ingredients. | 0,5 day |
| 13 | Program persistence | As a dietitian/user I want to be able to close the app and open it again without loosing my data so that I can get back to the recipes whenever I want. | The recipe pool and the user's recipe weeks should not disappear when the program is closed. When it is opened again after closing the recipes and recipe weeks should be available again. | - Create a class for saving recipe pool to and loading it from file.
- Create another class for saving recipe weeks to and reading them from file.
- Make program load the data from file when user/dietitian sings in.
- Make the program save the data to file when they sign out. | 1 day |