Sprint 3 Review and Retrospective

Sprint leads: Meli & Mara

GOAL:

Completing the database population followed by integrating the back end to the point where recipes can be taken from the backend database and show on the front end, also manage to make the main feature of the website fully functional (select test ingredient and get a recipe.)

DONE?

The database was successfully created, and we managed to set the link between the front-end and the Rest API, this allowed to successfully access data in the back end.

Despite the complications we faced and did not plan for, we handled everything. Although, we are still missing couple of details we have aimed to work on these for the next sprint like further researching ingredient nutritional values in order to make our extra feature of showing calories based on the recipes to the user successful and also be able to present this to them in a user-friendly manner.

Sprint 3 Task	What went well	What went wrong	Plan to improve
Database completion	We managed to populate the database: we added the ingredients, according to each recipe. We divided the tasks between the team members equally and we managed to create and have a fully working CRUD API with each table.	We could have added more recipes if we had more time. We tried creating entity relationships however we faced some trouble and investigated alternatives.	Select a main problem then have a sprint meeting where we all members focus on solving that problem. Invite members to be more transparent about their progress so the others can help those who are late for any reason.
Merge Back End with Front End: - Create the Rest API - Test CRUD requests - Use JPA annotations to create tables and give more details to them. - Managed to get data from the backend like recipes/ingredients using the front end.	We used SpringBoot framework to develop our backend with the help of the SpringBoot suite 4 which has been a very helpful development environment. We set the link between the RestAPI and tested requests between the backend and the database Managed to get results on the front end via the back end and the database.	We did take some time doing a lot of research for SpringBoot JPA and the different annotations, which was a lot of time wasted in the sprint allowing for less time in implementing and bug fixing. This also increased stress on us because we have other coursework deadlines coming up.	Encourage team members with difficulties to be more explicit so the issues can be fixed efficiently. If some tasks seem to be very heavy and time consuming then group members should request a fellow member to join their team and split some tasks with them so work is divided equally.

Sprint 4 Plan

Sprint Leads: Matthew & Viktor

Introduction:

For our fourth sprint plan the group has decided to focus on fully integrating front and backend of our application, whereby we should be able to use the front end and be able to communicate and get accurate results from the backend/database.

Additionally, the nutrition calculations and representations should be done and give an estimate to the user of the calorie intake alongside the recipe.

After we are done with the development and have made sure the functionality of the website is in working condition, then we will be testing the website to confirm users will not face any issues due to bugs/errors in order to make sure the website is as friendly and helpful to the user. In case, we come across any bugs or possible helpful additions we will sort it out to improve the overall website experience.

In the meantime, we as a group are also in the process of thinking of some additional features if there are any interesting features which would help improve the user experience that we come across, it is highly expected to be implemented across this sprint otherwise we will be sticking to the initial plan.

After testing is done, we will focus on creating a demo presentation showing how our application works.

Goal:

Successfully implement the front-end with backend, testing and bug fixing. Creating a demo of our application.

Results:

By achieving these tasks, we will have the complete website up and ready to serve its purpose.

User Story	Subtasks and Estimations	Responsibility	Rationale
As I user I want to be able to view the estimated nutritional values of a recipe.	-Research on nutritional attributes of each diet. --JavaScript to calculate nutrition of the sum ingredients in the recipe.	Researched Ingredient nutritional values: Mara & Meli JavaScript Nutrition: Matthew & Viktor	As the Ingredient table was created by Mara and Meli it would be a great idea to allow them to research on every ingredient they have added in. The recipeIngredient table was created by Viktor and Mathew, hence its better they create the JS as they are aware about the variables in their table.
As a user I want to choose different ingredients that I have as leftovers and to be given recipes that I can cook with the ingredients specified	-Handle selected ingredients and show recipes as a result	JavaScript, adding a result button and CSS: Miguel & Abbasali Smith	They have been mainly dealing with backend and understanding each table hence with their understanding they can write JS accordingly and design the button to get results the perfect way.
As a user of the website, I should not face any weird bugs that would annoy me	-Testing of each feature	Every group member will take part	These is a group task hence each member will choose a feature they are used to and will test it with different situations and make sure they are working well.