

Project: Recipe Planner

Project Idea

Recipe Planner is a class project web application that helps users save their recipes, organize them into weekly meal plans, and manage the connection between ingredients and meals. It is designed as a demonstration project with a clear database structure and simple user interface.

Main Components

Authentication (Account)

Users can register and login. Each account contains an ID, email, password, and display name. Accounts are linked to Recipes thanks to the Connects connect table.

Recipes

Each recipe contains an ID, title, description, preparation me, cooking me, servings, difficulty, steps, and an illustration. Recipes are linked to Ingredients thanks to the Needs connect table.

Ingredients

Each ingredient contains an ID, name, calories, and proper es. They also have all their nutritive specs such as Fat, Carbs, Fibers, Protein, Salt and Sugar. Ingredients are being sold by shops with a connector table called Sells.

Shops

Each shop contains an ID, a name, a type of shop, an address, its opening me, an about text information, a website link and a phone number.

Connector tables

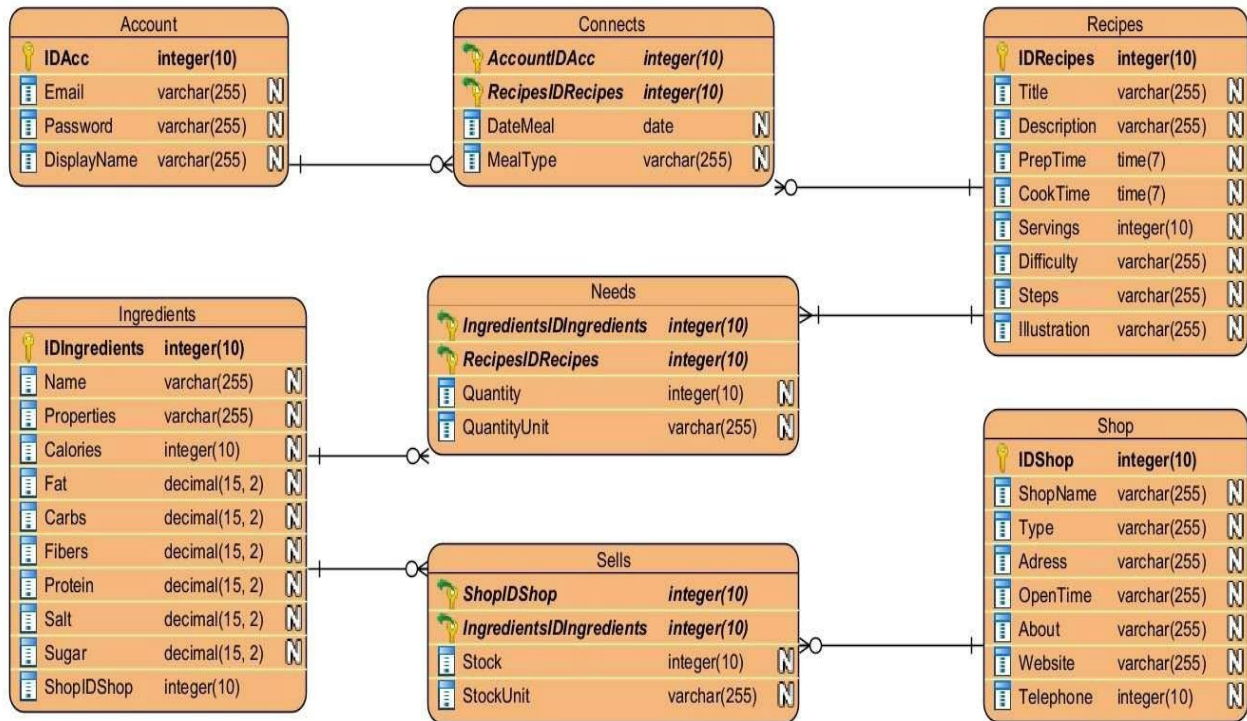
Several connector entities are used to manage relations:

- Connects: links Account to Recipes with the date for the meal and its type (breakfast, lunch...) - Needs: links Recipes to Ingredients with the quantity and its unit.
- Sells: links Shops to Ingredients with the quantity stocked and its unit.

Database overview:

- Account: authentication and profile information
- Recipes: details of each recipe
- Ingredients: food elements with calories and proper es
- Shop: shop informations

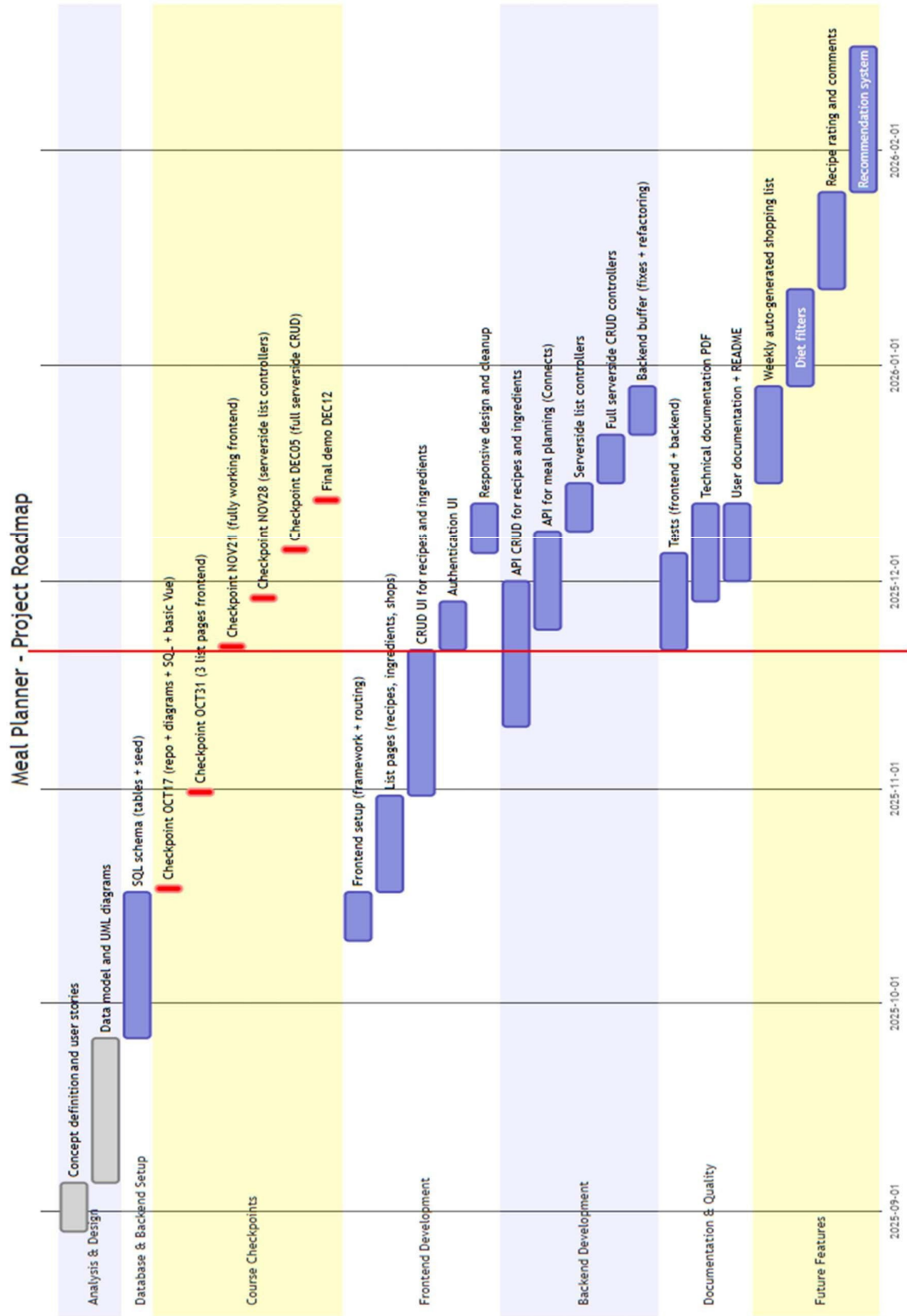
- Connects: relation between Account and Recipes
- Needs: relation between Recipes and Ingredients
- Sells: relation between Shops and Ingredients



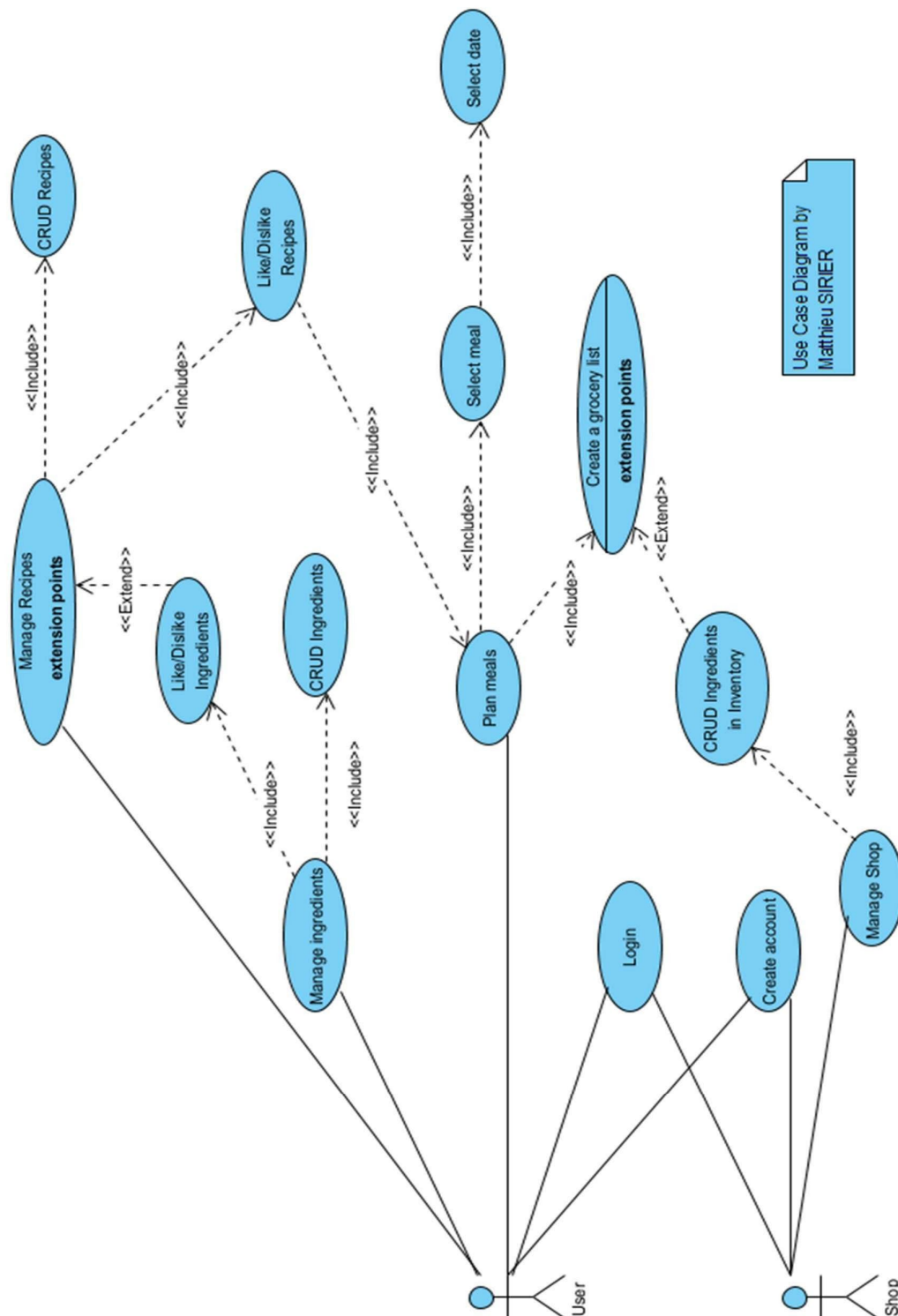
ER Diagram:



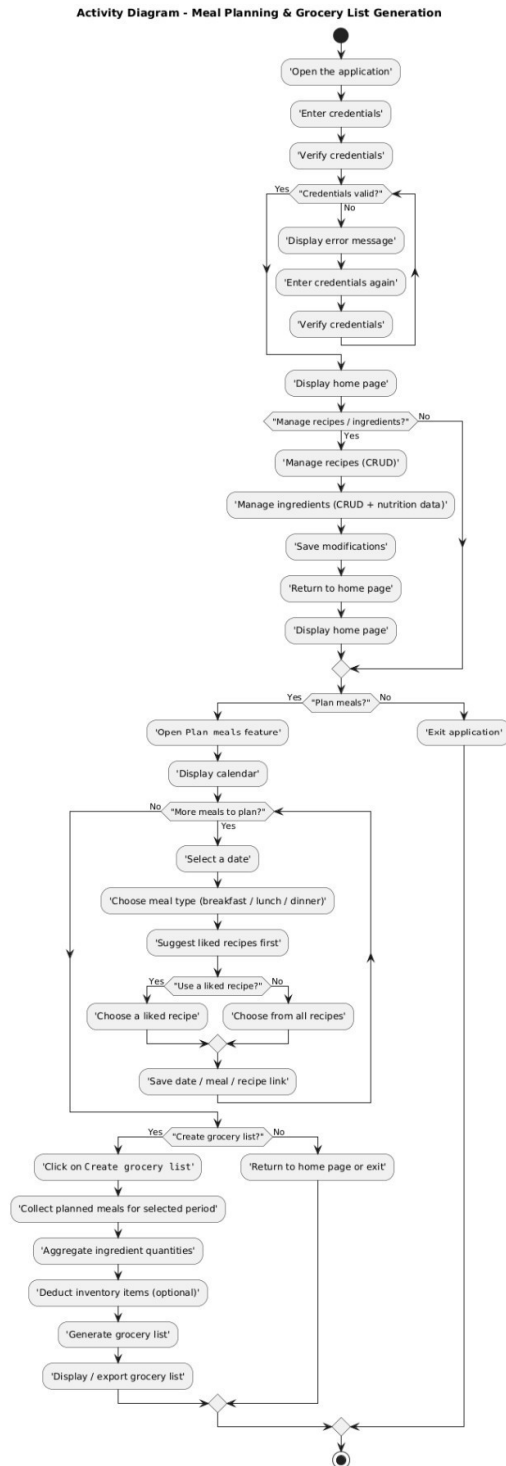
Gantt diagram:



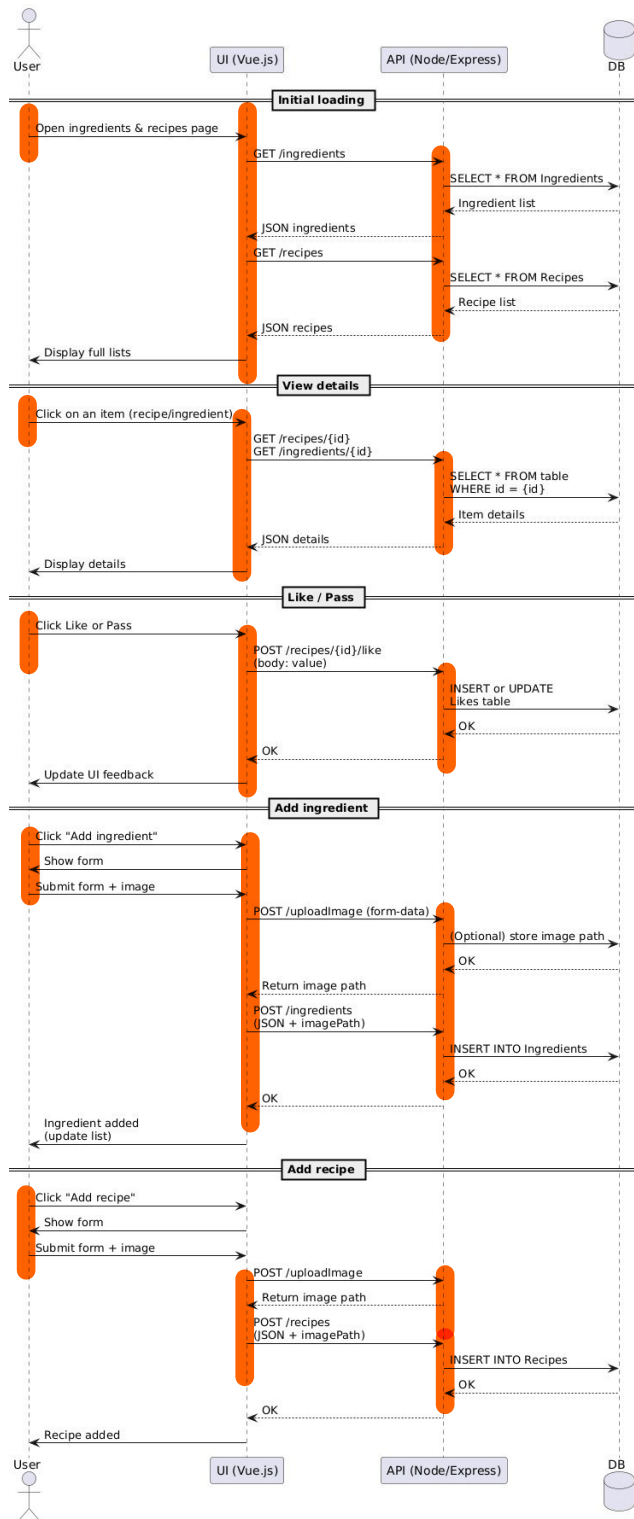
Use Case Diagram (Matthieu):



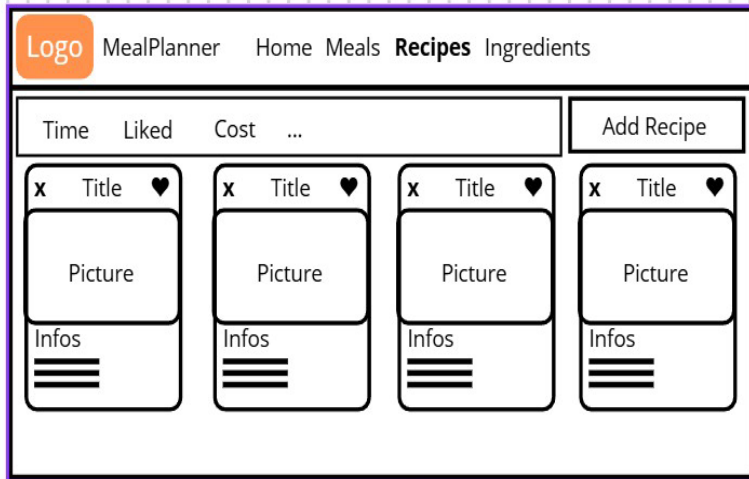
Activity diagram by Matthieu: Login, recipes management and meal planning



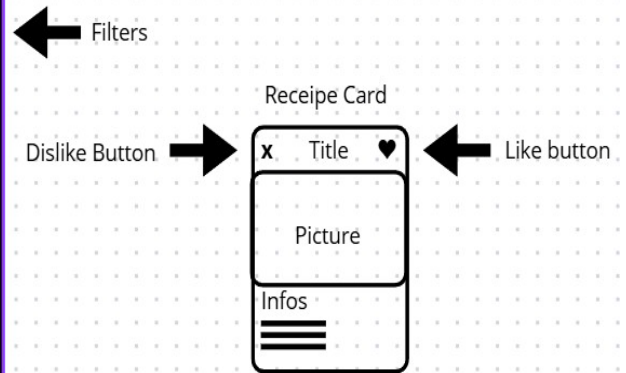
Sequence diagram by Matthieu:



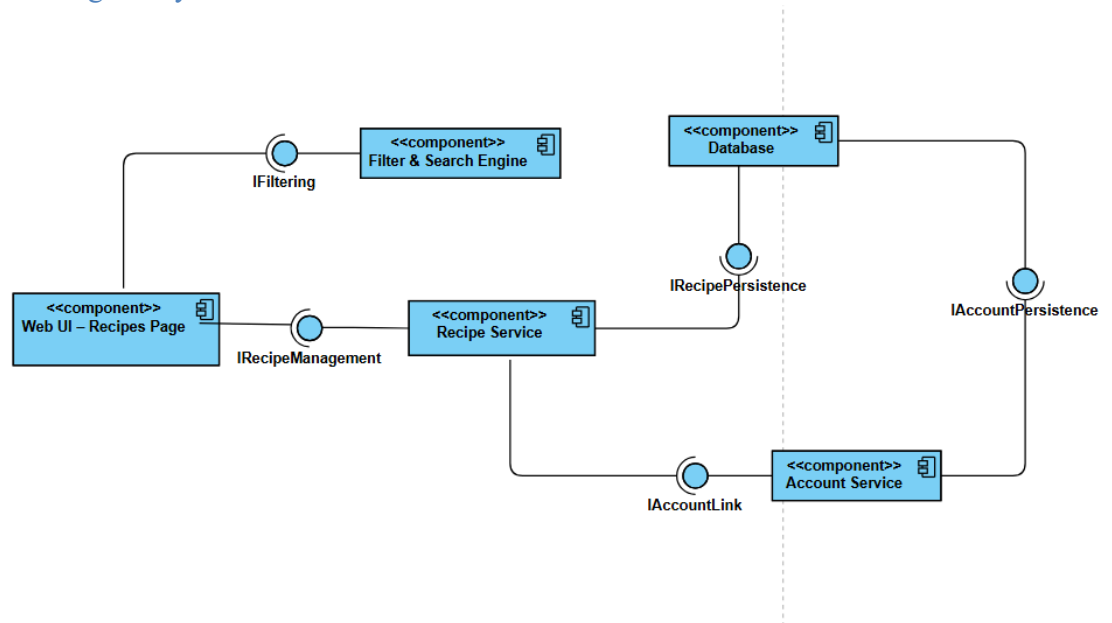
Wireframe by Matthieu:



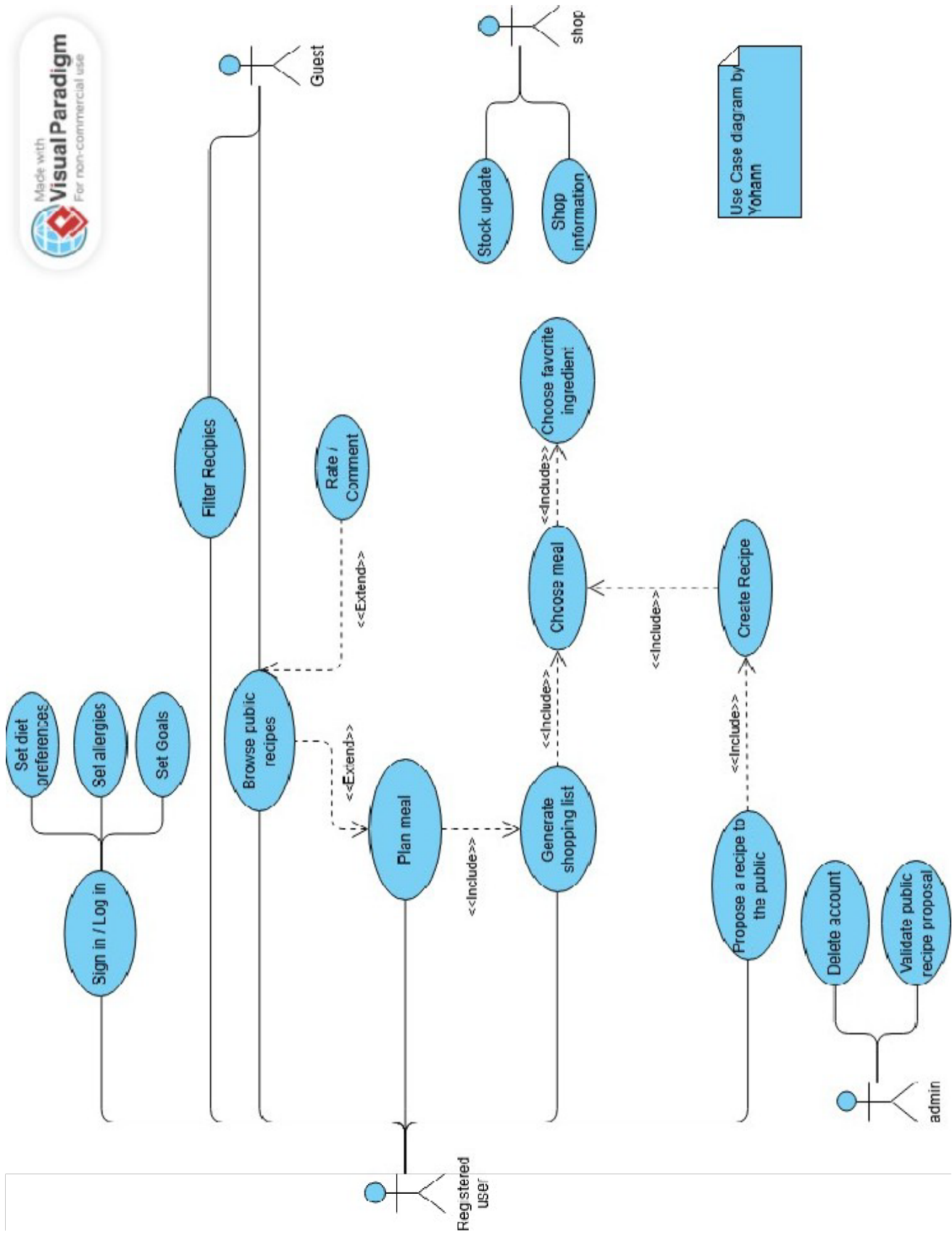
Recipes page Wireframe



Component diagram by Matthieu:



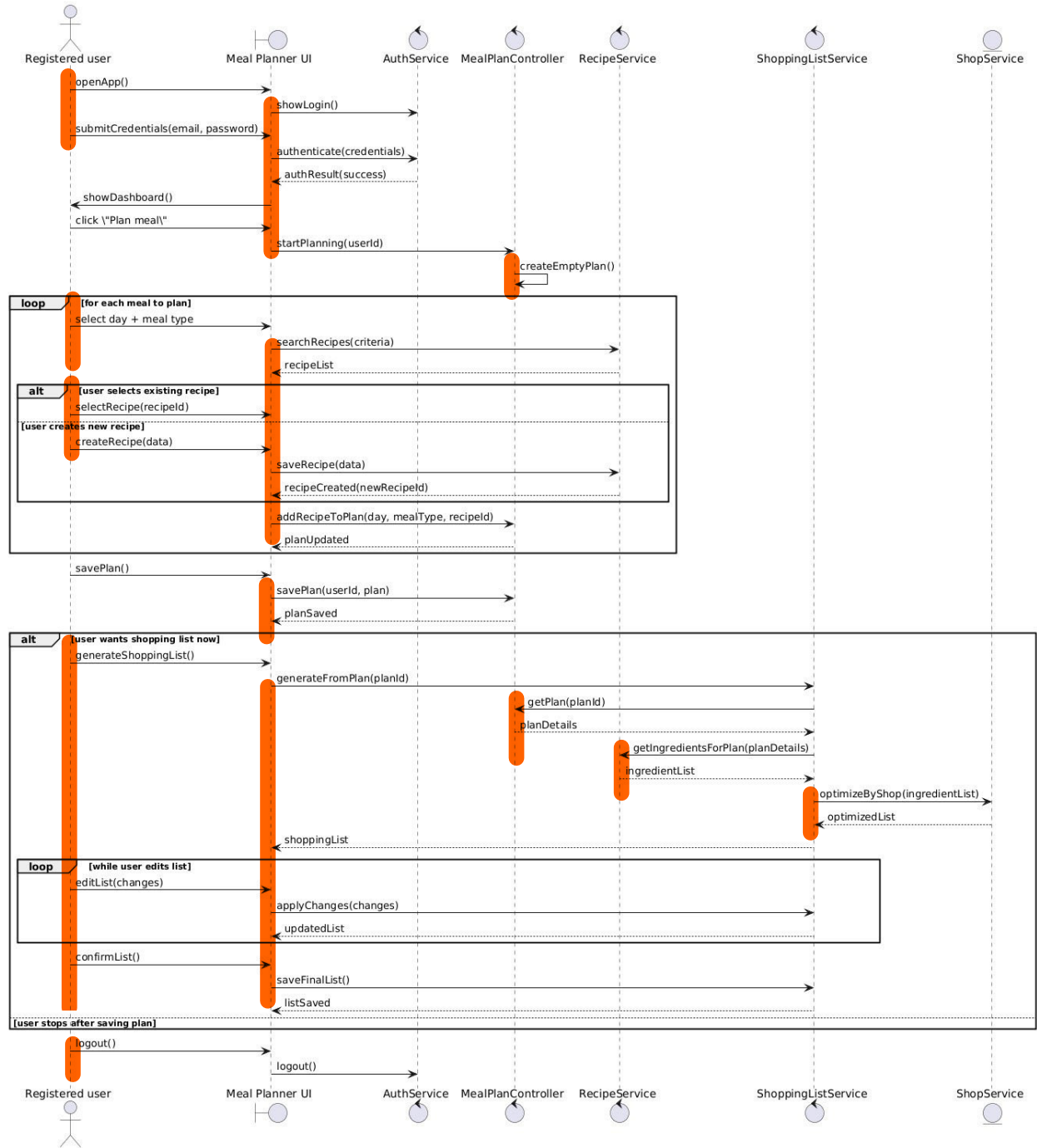
Use Case Diagram (Yohann):



Activity diagram by Yohann: Login and meal planning:



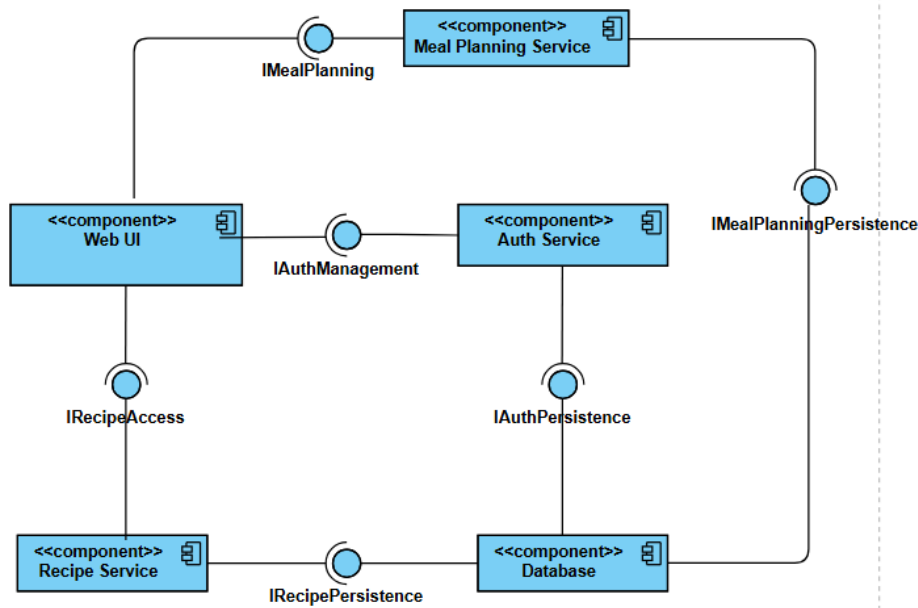
Sequence diagram by Yohann:



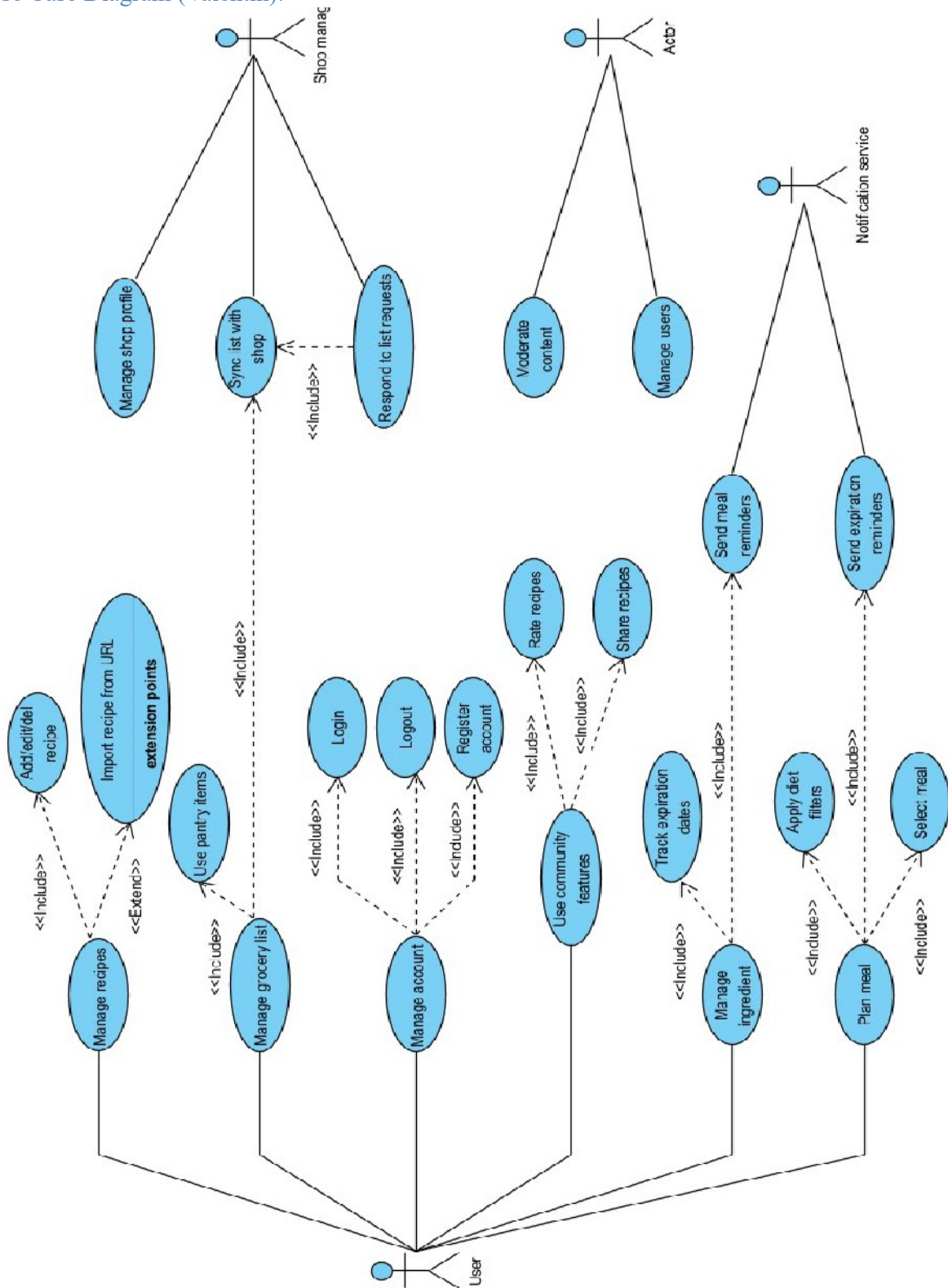
Wireframe by Yohann:



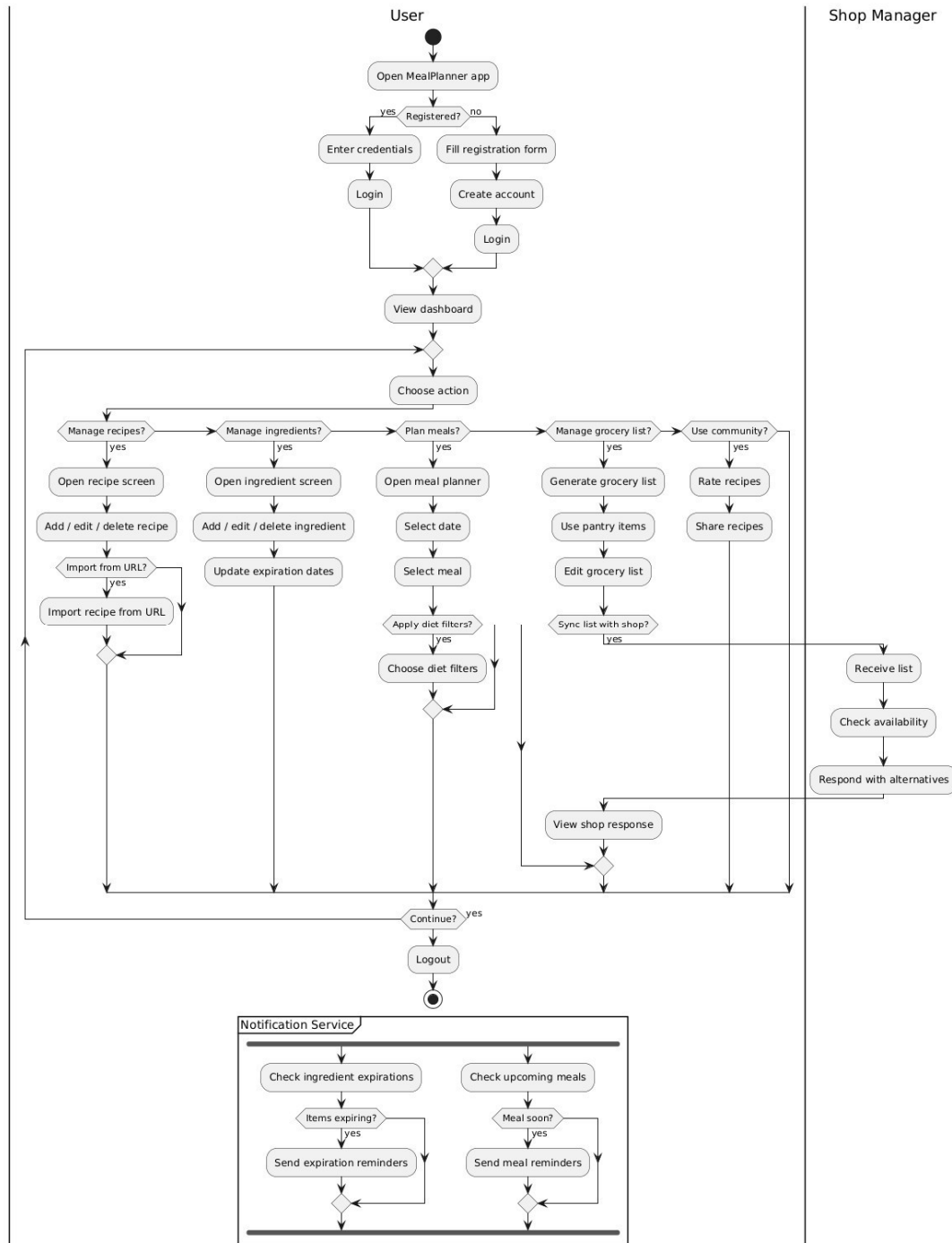
Component diagram by Yohann:



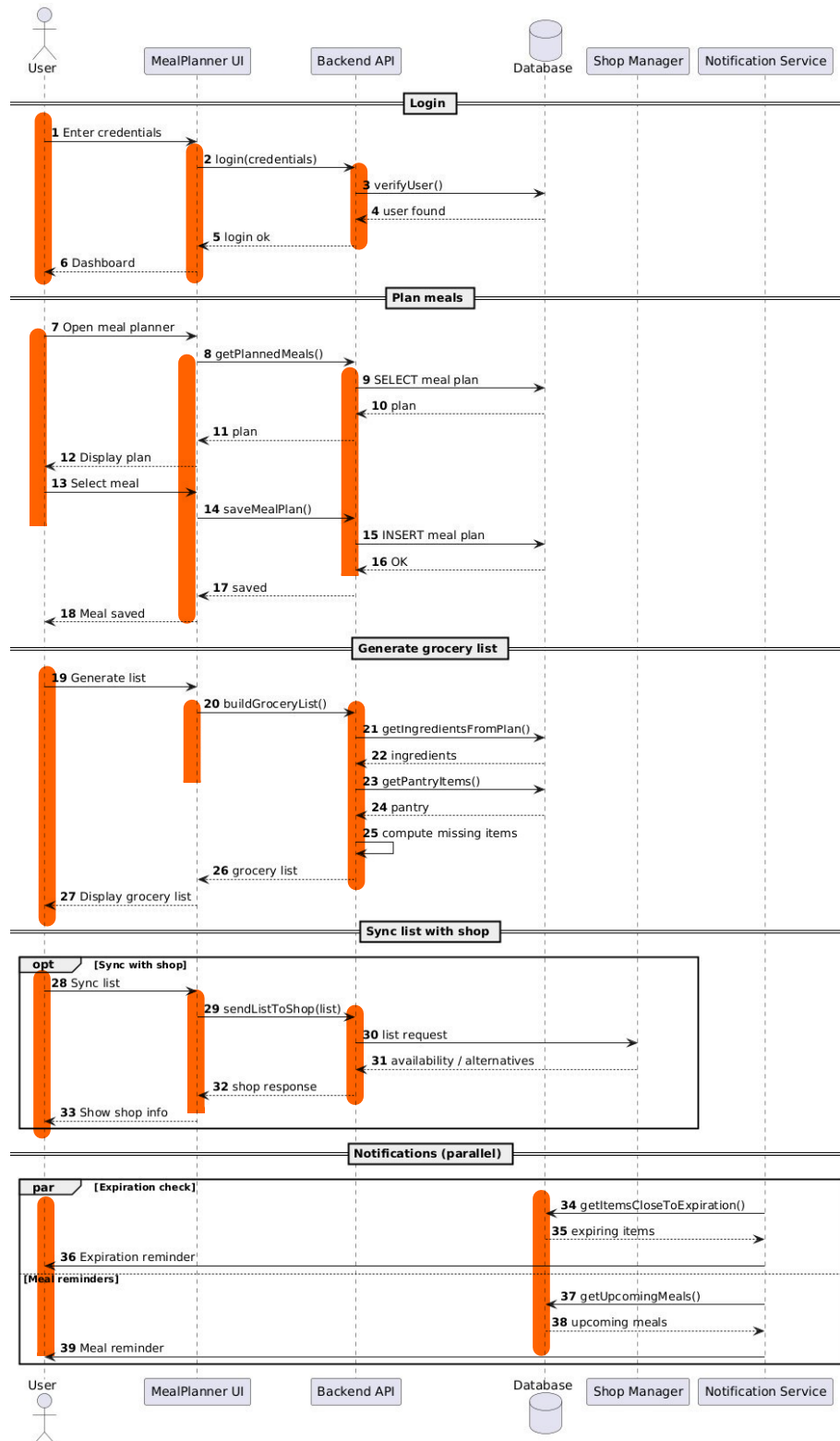
Use Case Diagram (Valentin):



Activity diagram by Valentin: Global possibilities



Sequence diagram by Valentin:



Wireframe by Valentin:

LOGO

MealPlanner

Home

Meal

Recipes

Ingredients

Shop



Sign in / Log in

Shop



Type



Shop
picture

Shop name

Position

Opening hours

HH-MM / HH-MM

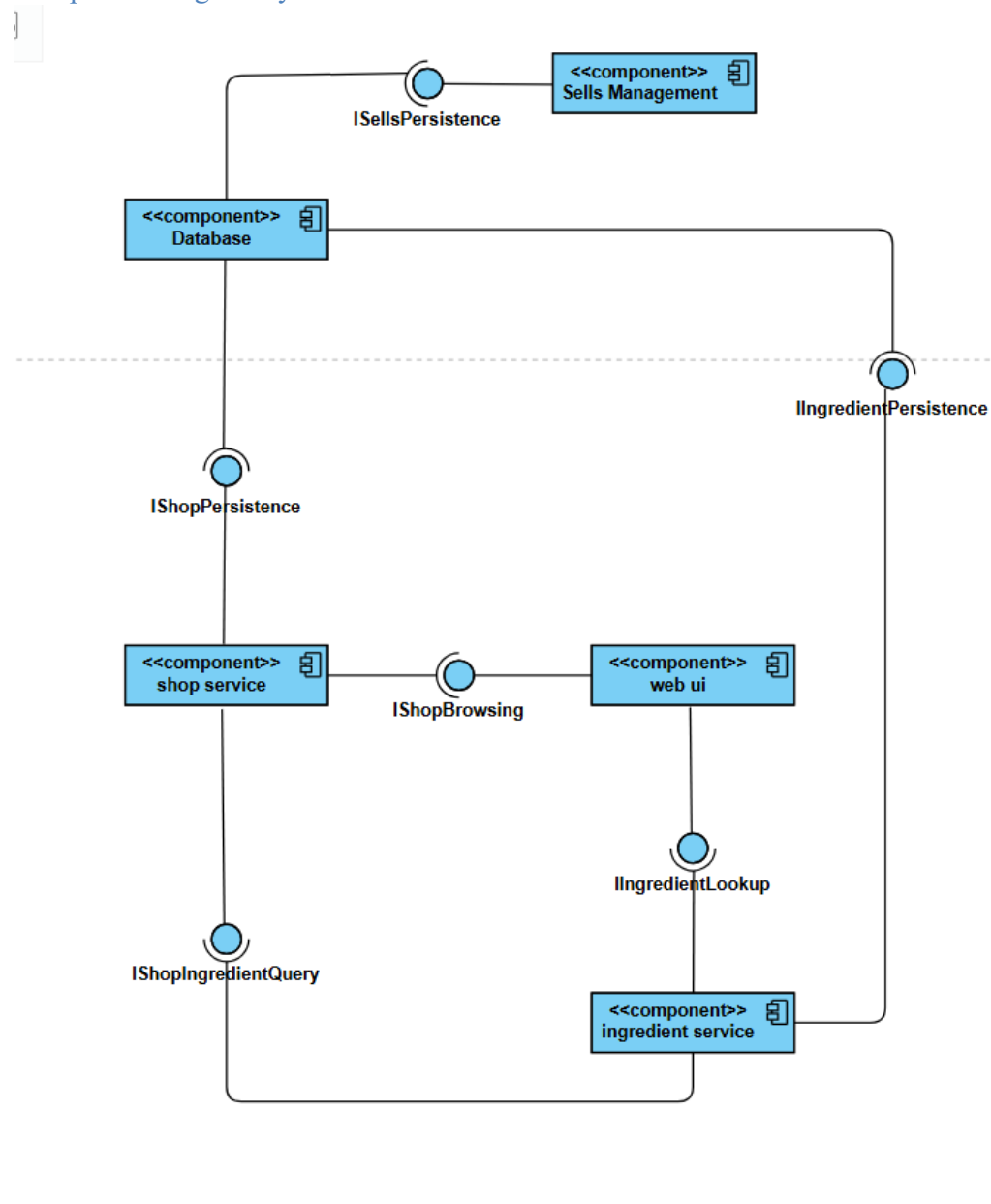
About

Exsistit autem hoc loco quaedam quaestio subdifficilis, num quando amici novi, digni amicitia, veteribus sint anteponendi, ut equis vetulis teneros anteponere solemus. Indigna homine dubitatio! Non enim debent esse amicitiarum sicut aliarum rerum satietates; veterrima quaeque, ut ea vina, quae vetustatem ferunt, esse debet suavissima; verumque illud est.

View shop ingredients

Website / Phone

Component diagram by Valentin:



Class diagram :

