

# 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 time, cooking time, 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 properties. 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 time, an about text information, a website link and a phone number.

### Connector tables

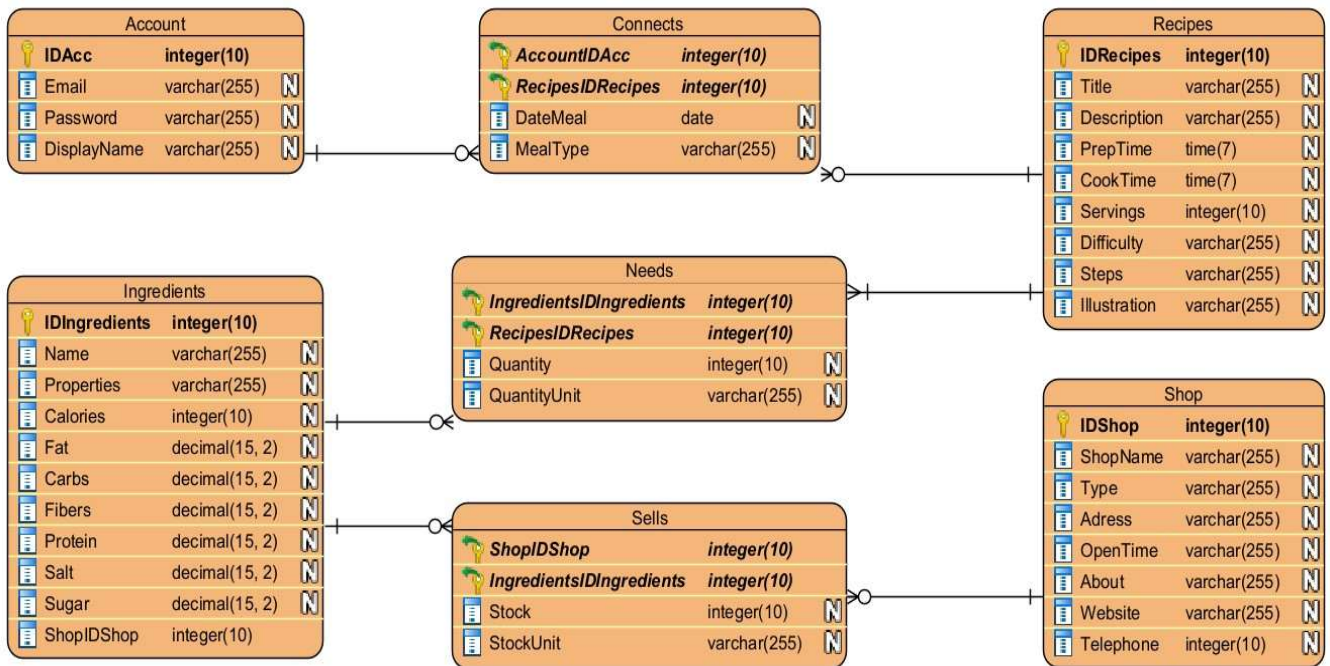
Several connector entities are used to manage relations:

- 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 properties
- Shop: shop informations

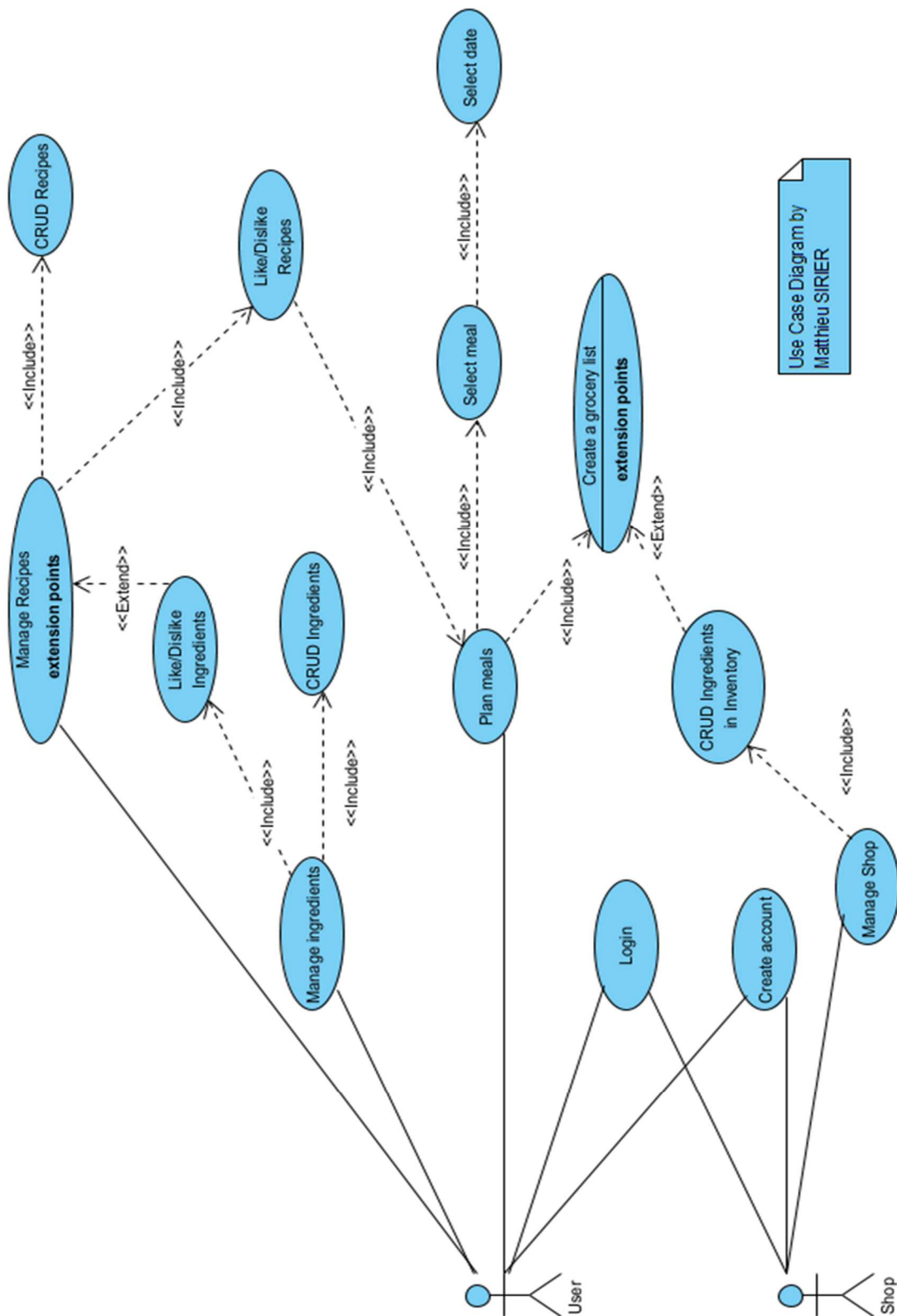
- Connects: relation between Account and Recipes
- Needs: relation between Recipes and Ingredients
- Sells: relation between Shops and Ingredients



ER Diagram:

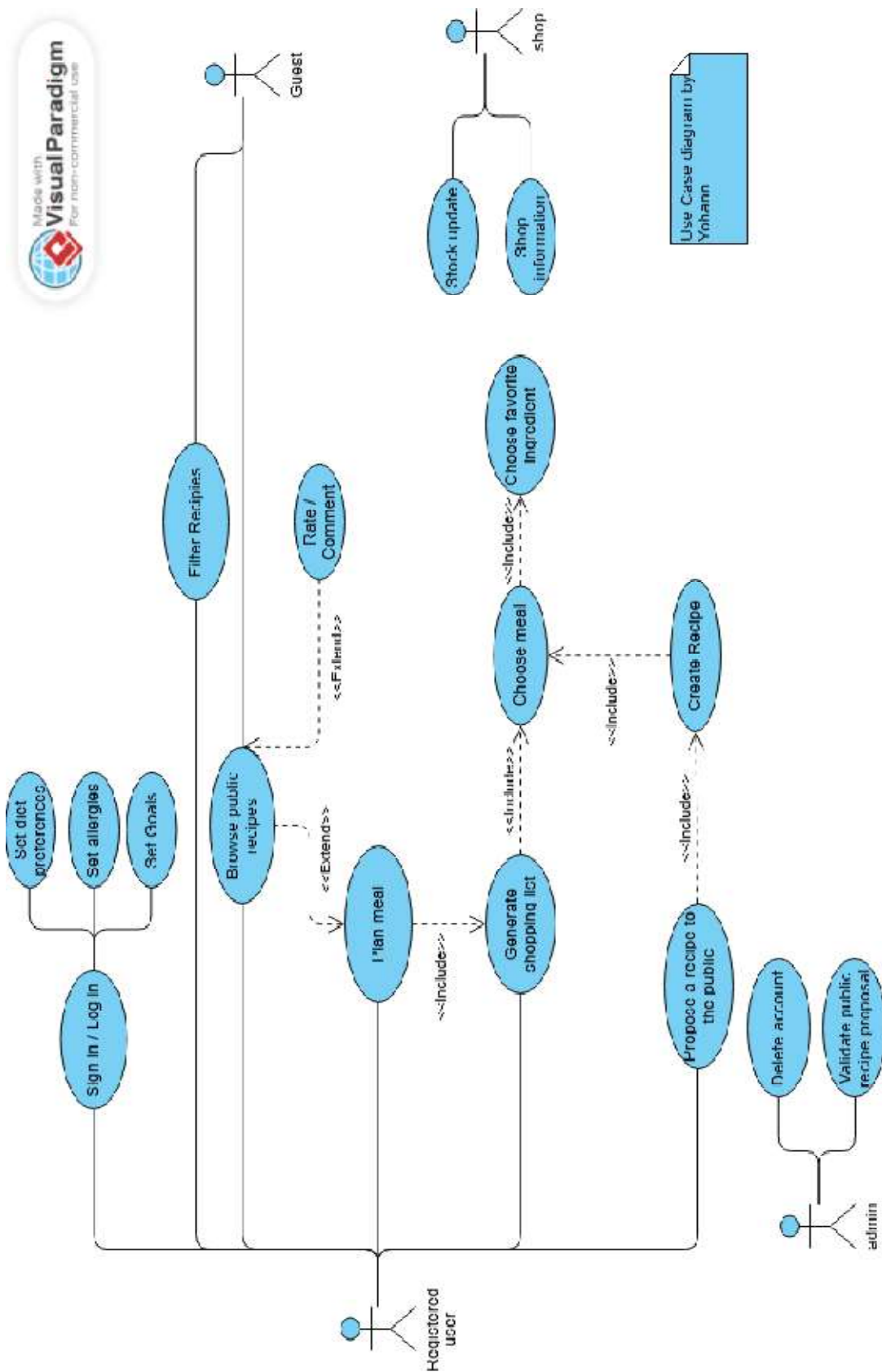


## Use Case Diagram (Matthieu):

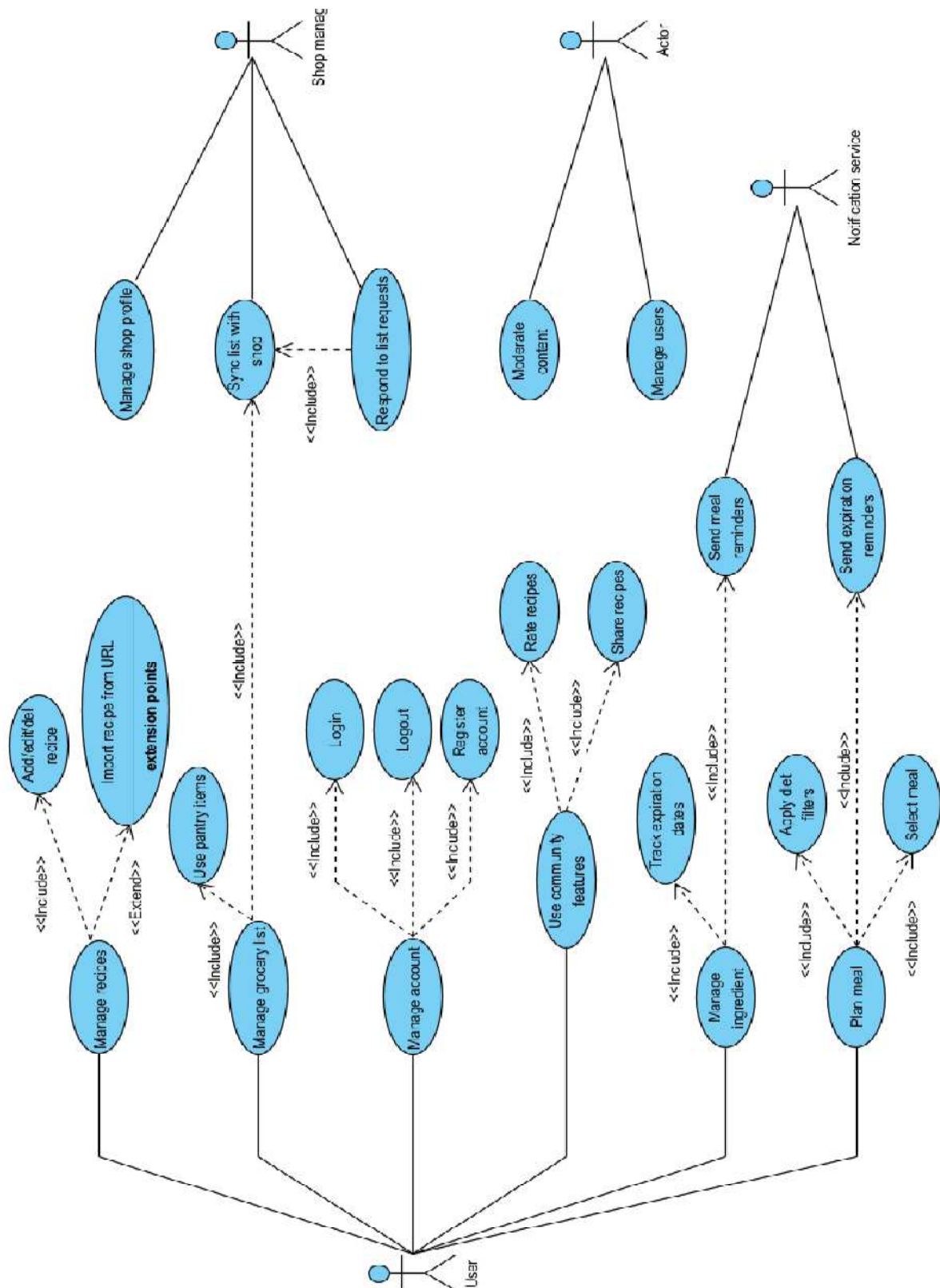


Use Case Diagram by  
Matthieu SIRIER

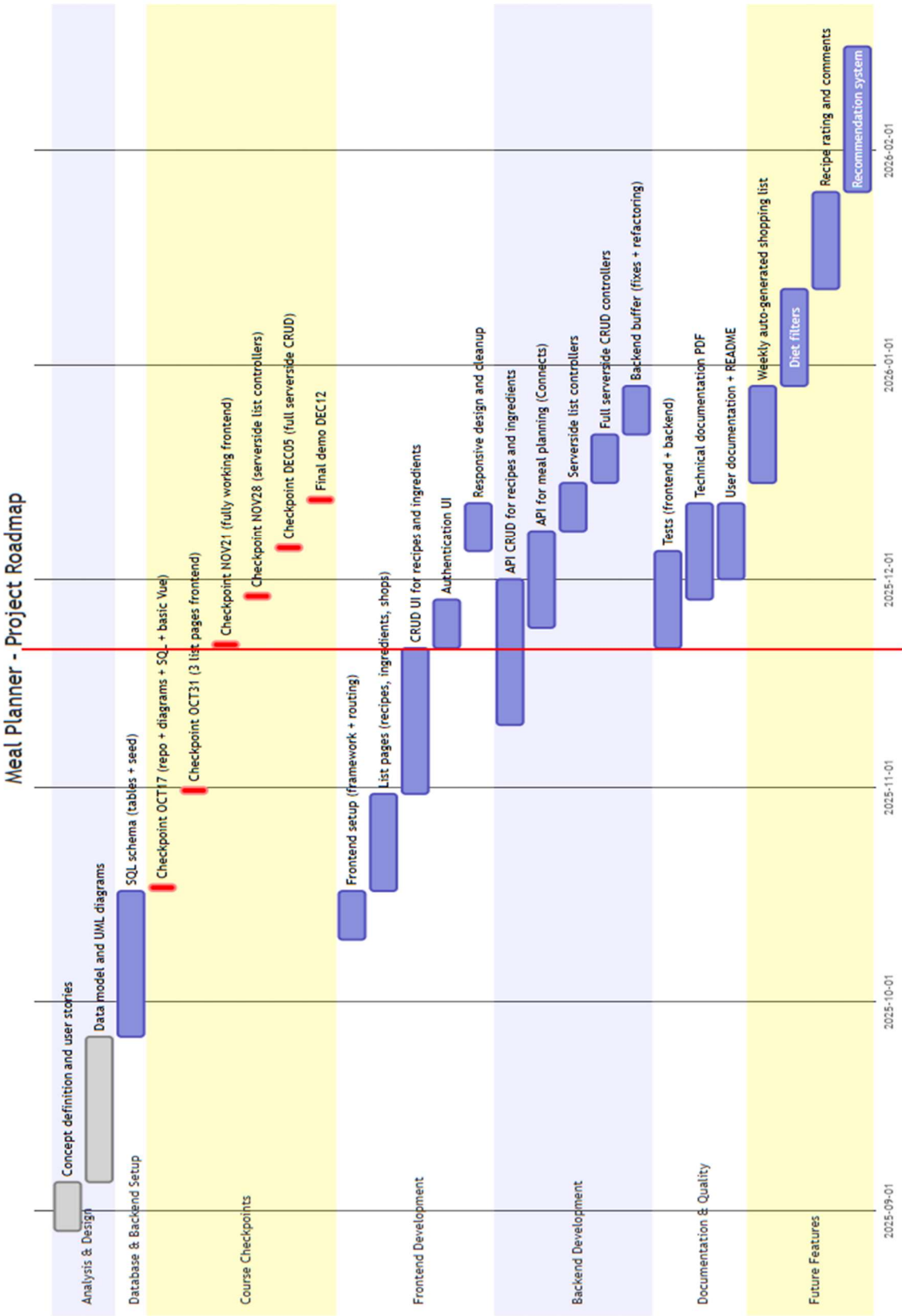
## Use Case Diagram (Yohann):



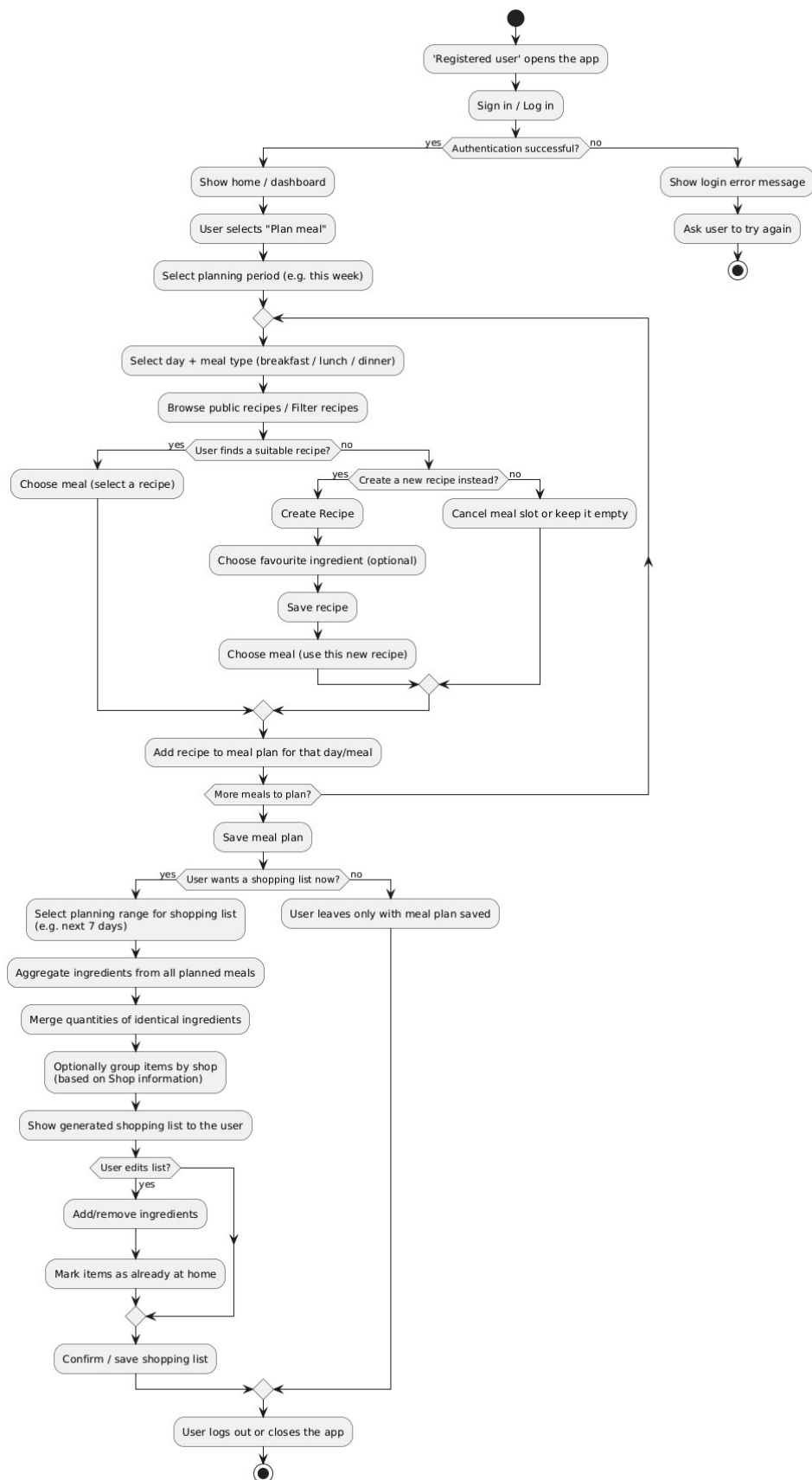
## Use Case Diagram (Valentin):



Gantt diagram:

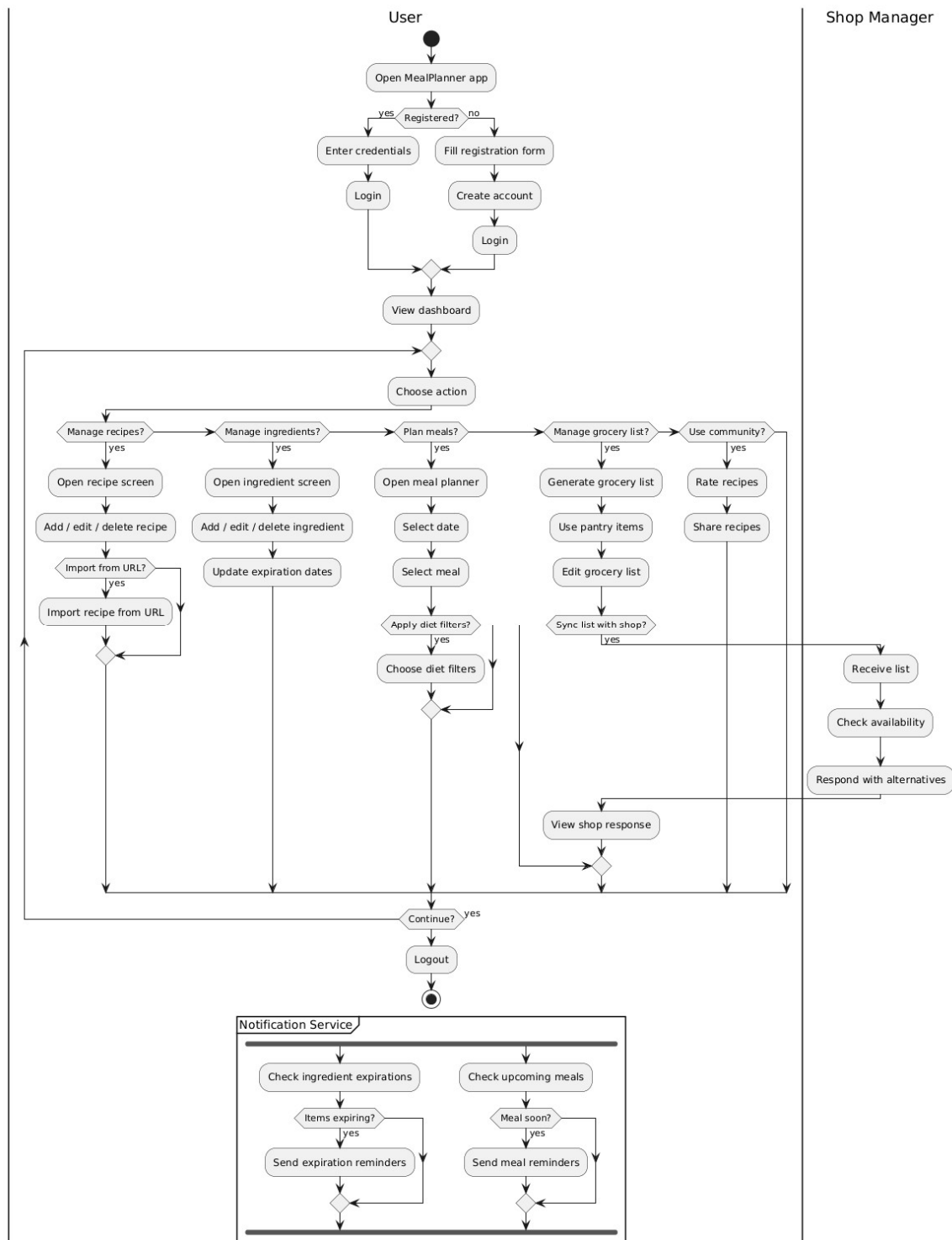


## Activity diagram by Yohann : Login and meal planning



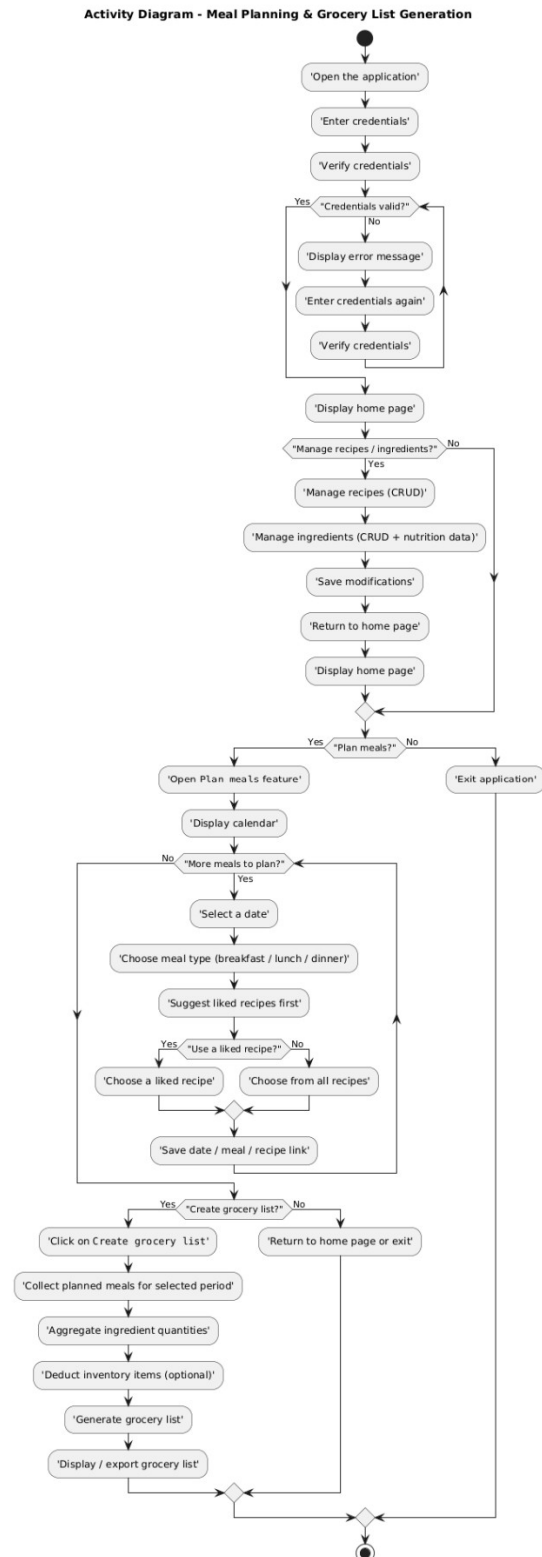


## Activity diagram by Valentin: Global possibilities

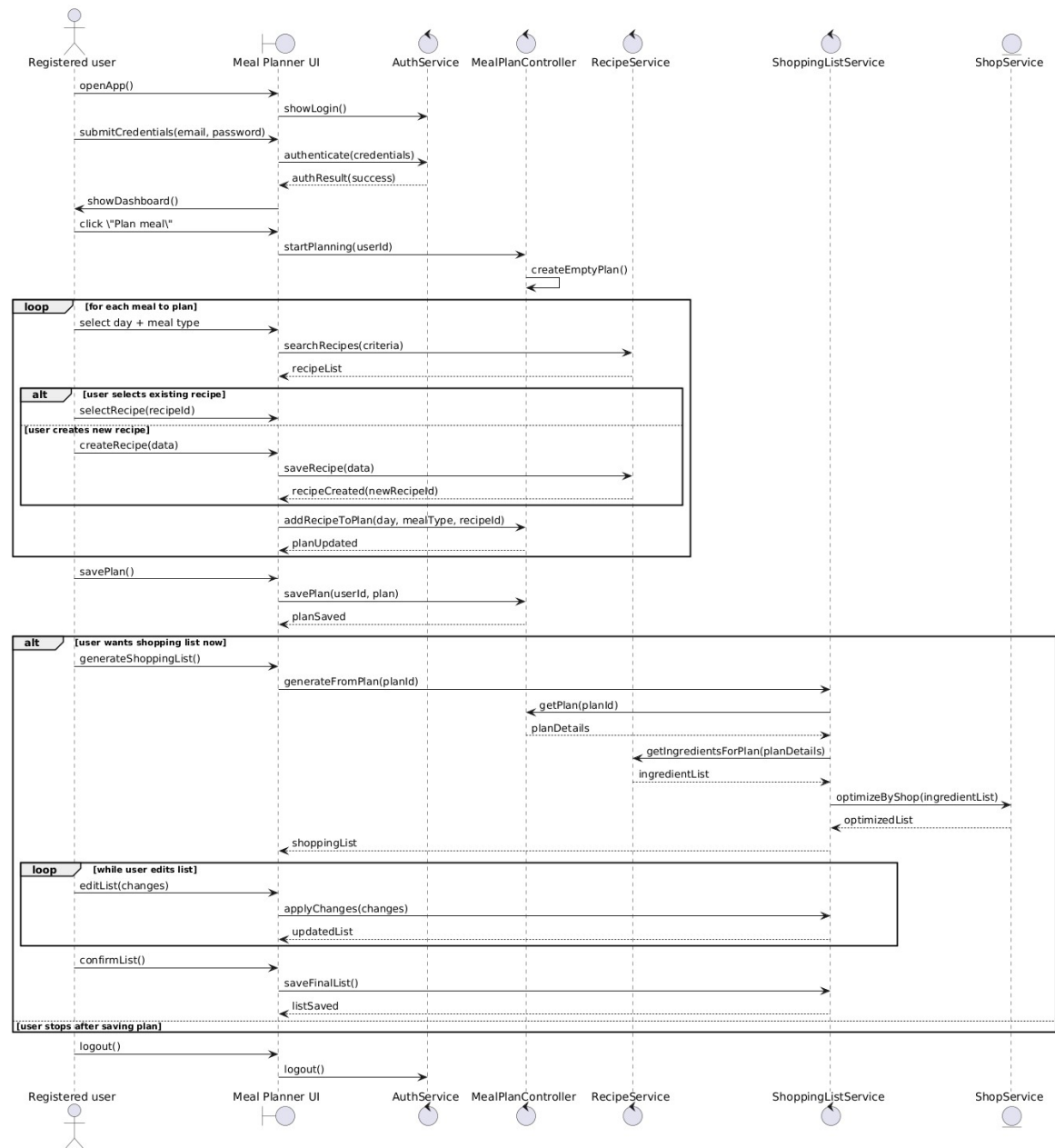




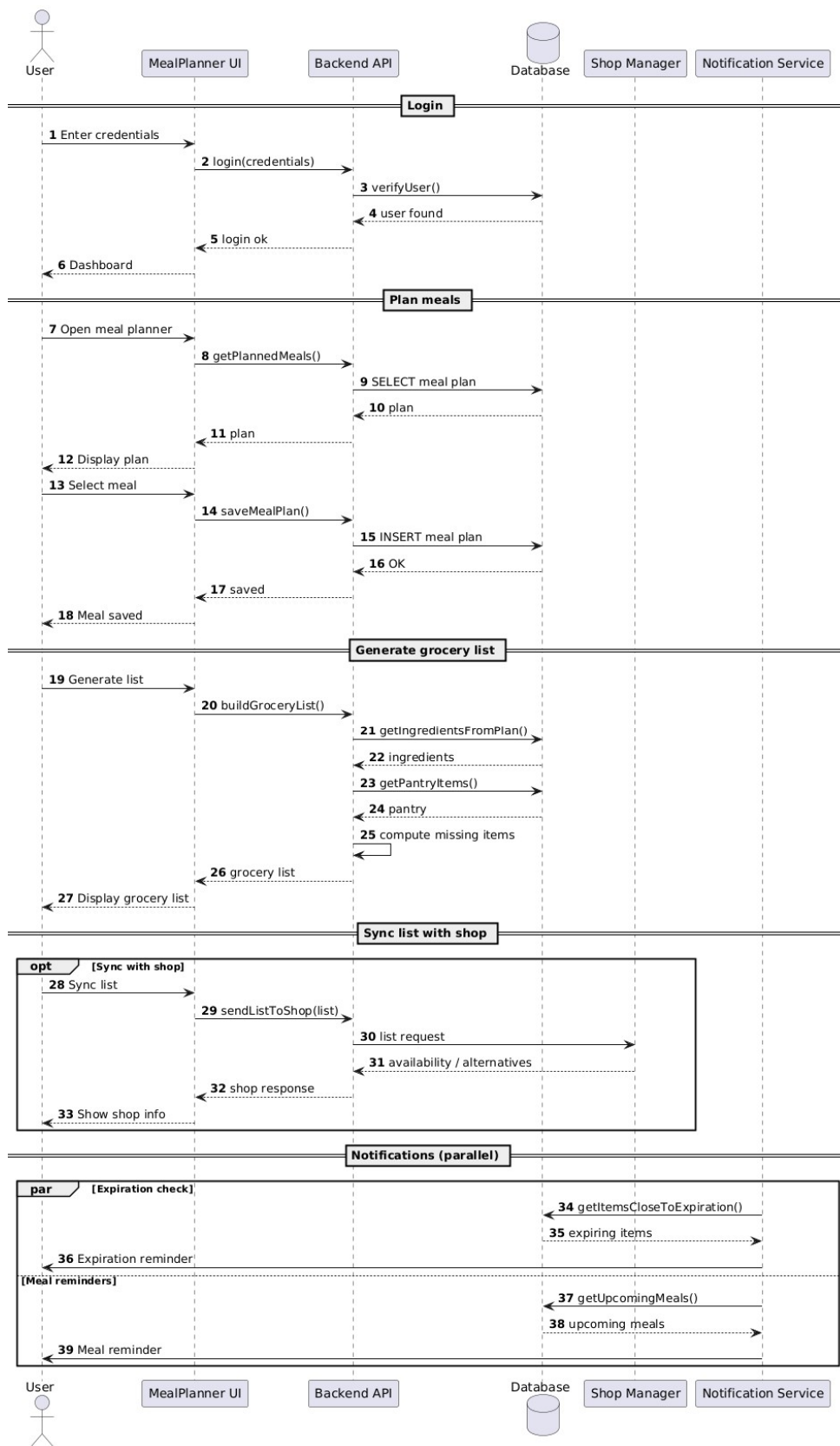
## Activity diagram by Matthieu: Login, recipes management and meal planning



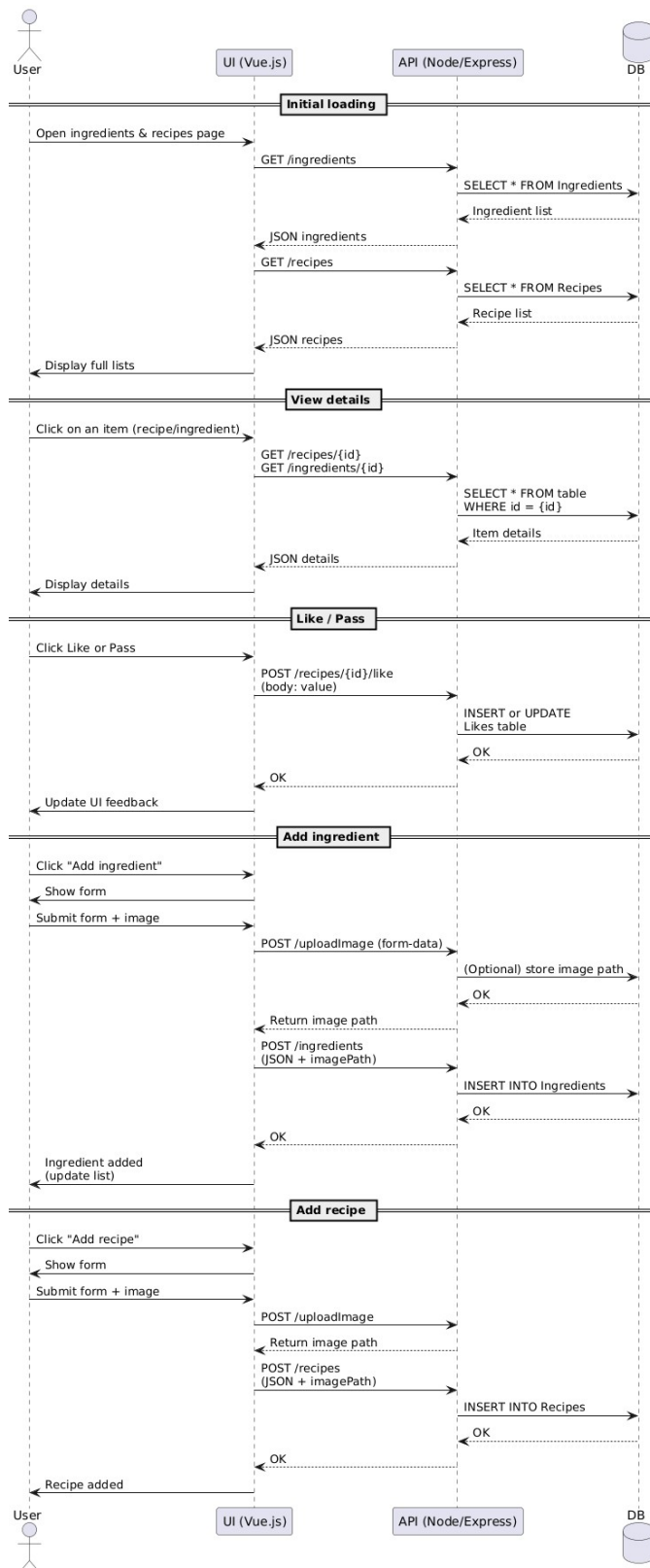
## Sequence diagram by Yohann:





## Sequence diagram by Valentin:




# sequence diagram by Matthieu:





MealPlanner **Home** Meal Recipes Ingredients Shop  Sign in / Log in


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### Tendances


  
plat1

  
plat1


  
plat1


  
plat1


  
plat1


  
plat1


### Meal liked


  
plat1

  
plat1

  
plat1

  
plat1

  
plat1


  
plat1

### About Us

Votre texte de paragraphe  
Votre texte de paragraphe  
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### Next planned meal:

Lunch for tomorrow: plat 1




Link to the recipe

Prepare your shopping list


MealPlanner Home Meal Recipes Ingredients **Shop**  Sign in / Log in

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# Shop



Type ▼



Shop picture

**Shop name**  
Position  
**Opening hours**  
HH-MM / HH-MM

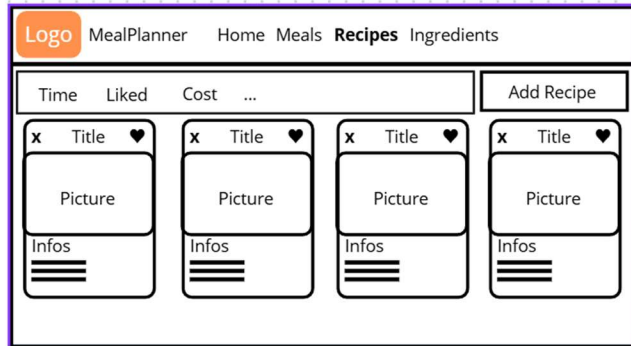
### About

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

Wireframe by Matthieu:



## Recipes page Wireframe

