

Web application, java, javascript, maven, spring-boot, PostgreSQL

## DESCRIPTION

We plan to develop a general dieting web application. The possible features will include (possibly along with others we come up with along the way):

- calory tracking and management of micros ( carbohydrates, sugars, proteins, fats, salts )
- An about section for some widely known diets with the ability to choose your own diet
- Free recipes along the diets,
- DMI calculator,
- Calory intake calculator for the weight goal in a given time,
- Fortune wheel for random meal of the day,
- Information about allergens present in the recipes,
- Water consumption
- Search for a recipe with a given ingredient (f.e. potato)

## TECHNICAL INFO

Technology stack:

Frontend: JavaScript

Backend: Node.js, Spring Boot, Java, Maven

Database: PostgreSQL

Hosting: ...

System architecture:

Client-Server Model: RESTful APIs - database communication with backend

## APP INCLUDES

- Different user accounts,
- Original soundtracks

# USER PROFILES:

*"As a user, I want to be able to..."*

## Could have:

- review someone's recipe, so I can share my thoughts
- change, or retrieve my password, in case I forget it
- Read articles about some different diets so I can find one that suits my lifestyle the best
- Enter my water consumption so I can track how much should I drink each day
- starting quiz
- music
- random meal spin weee

## Should have:

- see my entire history, to see my eating patterns long-term
- have a sidebar with shortcuts, so I do not have to look around the app for various features
- add my own recipe to the site, so other users can incorporate it into their diet
- able to calculate my BMI, to know what goal weight to aim for
- fill out my profile information, for example, my weight, height, age, etc..., to observe my progress
- put in my goal, so the application tells me how many calories to consume
- filter my recipes based on a diet/ingredients, to find exactly what I am looking for

## Must have:

- see my daily nutritional value intake, so I can track my macros throughout the day.
- see my todays meals on the main page so I can keep track of what I ate
- log in and access the web application so I can use the app with my previous data
- register my account in the application so I have my profile.
- see my daily calories, so I can be more aware of how much I consume during the day.
- add a meal I ate (cal/100g), so it adds up to my counter
- load in a meal that I ate from the recipe list (should?)
- I want to see the database of recipes, so I can get inspired

- edit my daily meal, so I can fix my typos
- have access to curated recipes, so I can choose what to eat from a list of verified recipes (we need to fill up the data with basic recipes)
- alter my daily macros