Technical requirements

# Introduction

## Document version

This document is version 1 of the technical requirements

## Product Overview

Have you ever struggled with what you should make to eat? You are bored with the same few recipes that you make constantly. It can be difficult to find good recipes. You often find that your pantry is full of ingredients, but when you find a recipe it seems that none of your ingredients match.

Imagine you could pull up a website or open an app on your phone that allows you to search recipes based on what ingredients you already have. Wouldn’t that be cool?

The app we are going to create will help users who struggle with what to cook. The app is a recipe management app that allows users to search a recipe database based on the ingredients they already have at home.

## Key Product Features

* Search recipes based on list of ingredients entered
* Submit new recipes

## Reference Material

<https://www.udemy.com/react-redux/>

<https://www.codecademy.com/learn/react-101>

<https://www.codecademy.com/learn/react-102>

<https://facebook.github.io/react/docs/hello-world.html>

<https://facebook.github.io/react-native/docs/getting-started.html>

<http://redux.js.org/>

<https://docs.mongodb.com/manual/>

<https://www.npmjs.com/>

# Operating Environment

The software will be installed in a Linux server running Nginx server. The frameworks will be installed using NPM (Node Package Manager).

# User environment

The application has to run on all major browsers (Chrome, Firefox, Safari, Edge, Internet Explorer). The application will rely on user having Javascript enabled in browser in order to have full functionality. On mobile, the app has to run at least on Android 5.

# Functional Requirements

### Sign-up/Sign-in

As a user, I can sign up and sign-in. Information of user and actions will be saved.

As a user, I can save a list of ingredients. I can view the list and add/edit/remove items.

As an admin, I can see a list of users.

### Search recipes

As a user, I can display recipes based on the number of likes

As a user, I can can search recipes using a list of ingredients.

As a user, I can sort the results by ratio of ingredients in recipe / ingredients in users list.

As a user, I can see delicious images of foods.

As a user, I can see how much time it takes to cook recipe

As a user, I can see what ingredients I have to buy to cook the recipe

### Interact with recipe

As a user, I can like or dislike a recipe.

As a user, I can add a recipe to my favourites.

As a user, I can fill a form to submit a request for a new recipe.

As an admin, I can add/edit/delete recipes.

As an admin, I can add/edit/delete ingredient.

As an admin, I can review user submissions, edit them and approve/reject them.

# Non-Functional Requirements

* The page structure has to load in 5 seconds
* The system has to work with 10 users
* The app has to function in English.
* User’s password has to be encrypted
* The system has to available 24h