

# Project Proposal

GROUP NO: 13

## **DESCRIPTION**

Our web application creates a platform for the community to post and share healthy cooking recipes with a free and easy to access vast recipe list.

Our website is designed to make cooking and healthy lifestyle easier. User can login to post, edit, and search recipes. They can favorite and add recipes to calendar to create personal meal plans.

In addition it allows to browse a more ingredient-based search to create simpler forms of the recipe and still enjoy a healthy meal.

## **TARGET AUDIENCE**

This app is built for people who wish to eat healthy and who want to practice cooking with recipes.

## **FEATURES:**

### **USER CAPABILITIES:**

1. User signup: user will have the the ability to create account with their choice of email, username and password.
  - email (required) - appropriate format - user@example.com
  - username (required) - username has to be unique, only spaces and underscores are allowed
  - password (required) - minimum 6 digits, no character constraints
  - password confirmation (required) - identical to password
  - Email activation - to validate signup email.
  - OAuth (Google, Facebook etc.)
2. Log in: Log users in to view personal account information.
  - Can log in with Google or Facebook account.

3. Log out: Log users out and redirect back to welcome page.
4. Posting and editing recipes: Users are allowed to post and edit their own recipes.
  - Users cannot edit others' posts.
5. Comment: User can comment and make suggestions on others' recipes.

#### **WEBSITE CAPABILITIES:**

1. Recipes based on ingredients: Typing in the keywords or main ingredients to search for related recipes. This allows the users to avoid ingredients they might be allergic to as well as create simplistic recipes.
2. Mark to favorite: Users can add recipes to favorite on their own account to gain easy access.
3. Displaying recipes: Displaying recipes step by step with suggested time and timer on each step.
4. Calorie calculation: simple calculation of calorie based on the ingredients.
5. Calendar: Users can add recipes to their calendar to make meal plans.
6. Recommendation: Recommend recipes based on favorites, ingredients and calorie input.
7. Voice command or touch gesture: Option of using voice command or touch gesture to search and control the steps of recipes.
8. Create food delivery service recommendations based on previous search results.

**API:**

1. Google Calendar.
2. Google Voice.
3. Google Maps.

**FRAMEWORK:**

Server-side Framework:

Django

Client-side Libraries:

JQuery

CSS:

Bootstrap