CSIS 3280 Term Project

GROCERecipe

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A recipe search and grocery list management website

Student Name: Minh Bui

Student Id: 300345000

Github: <https://github.com/Minh-BuiQuang/CSIS3280TermProject>

# Project Description

## User Sign up and Log in

The website uses a simple session management to keep track of the logged in user. Users can sign up and login by providing email, full name, username, and password. The password is encrypted before being sent and saved to database.

A screenshot of a login screen

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## Recipe Search

After logging in, the user will be redirected to index.php.

This page consists of the navigation bar where user can navigate between Home (search), Favourited recipe list, and grocery list.

A screenshot of a recipe

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Users can search for recipes by using the search bar at the top of the website.

The website supports returning up to 20 recipes that match the keyword.

For each recipe, user can do the following actions:

* Choose Go to cooking instruction: users will be redirected to an external website with cooking instruction.
* Add/Remove recipe from favourite list: The recipe will be saved and can be displayed in My Recipes page.
* Add the recipe to grocery list: Add each ingredient in the recipe to the grocery list. Existing ingredients will increase in quantity if added again.

## Favourite Recipe

In this page, the saved recipes in the database are shown. The options for each recipe are the same as they are on the home page.

A screenshot of a recipe

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## Grocery list management

In My Grocery page, a list of grocery items is displayed along with its quantity and measurement unit.

Users can choose to remove the item once they have bought it from the store.

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# Class diagram

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The website uses 3 data classes with matching database table to manage its data:

* User: used to store user data for sign up and login features.
* Recipe: Contains information about a recipe.
* Grocery: Contains grocery lines that can be extracted from a recipe ingredients array.

# User Manual:

## Creating the database

Start with turning on mysql and Apache using Xampp

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Press Windows+R and open cmd.exe

Login into mysql using this command: mysql -u root

Create the database with this command: source [Project folder]\ProjectSrc\sql\createDatabase.sql

A screen shot of a computer

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## Setting up local website for testing

Open CMD as administrator.

Create a folder link using this command: mklink /d C:\xampp\htdocs\TermProject [Project folder]

Start the website by opening a browser and go to: <http://localhost:8080/termproject/ProjectSrc/index.php>

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## Using the website

* Starting with signing up by filling information in the Create a new account form

A screenshot of a login form

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* Sign in with the created account.

A screenshot of a login screen

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* Users will be redirected to the home page consist of a search bar user information section.

A screenshot of a computer

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* A list of search results will be displayed. Each with options to show instructions, add to favourites, and add to grocery. (Recipes that are already exists in favourite will show a button to remove them instead)

A blue and white text on a plate

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* On the user information section, the user can click Sign Out to sign out of the website.
* In My Groceries, users will be shown a list of grocery items added to the list. Some items don’t have a measurement such as salt, pepper. Users can click remove once they have bought the ingredient at the store.

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# Unfinished features:

Due to the limited scope of this term project, some features are simplified and/or remain unfinished:

* Sign up and login features don’t have validation logic. All fields are required.
* Recipe and Grocery table don’t have a foreign key to User table. This is due to a design mistake earlier in the process. Currently, all saved recipes and groceries are retrieved from the database to be displayed regardless of which user they belong to.
* API key and account name are included in the code base.