Proposal: 📄 P2_G1_TheTofuWarriors

Team: TheTofuWarriors

Members: Naima Jackson, Jonathan Bukowsky (Team Leader), Casey Peng, Akil Tomlinson

Kanban Board (Azure DevOps)

https://dev.azure.com/jonathanbukowsky/revature-JonB/_boards/board/t/Project%202%20Group%201/Issues

Github Repo

https://github.com/08162021-dotnet-uta/P2_TheTofuWarriors

Sales Description

This application is a search engine and collaborative forum for gourmet recipes. Users will be able to login and select from a list of initial random gourmet recipes as well as search, create, rate, and save recipes. Recipes will be available to users from either the 3rd party API or from user-created recipes stored in our database. Each user profile has a list of favorite recipes, and users can add or remove recipes from the favorites list. The comment section allows for users to express their opinions on recipes that they tried, possibly suggest improvements on recipes, and interact with other foodies. Each recipe has a rating of 1-5 stars, an ingredient list, and instructions on how to prepare the meal. This application challenges the users culinary creativity and provides them with the information and community to be able to make something amazing.

Minimum Viable Product:

- Users can sign in/sign up to the site.
- Users are able to see their favorite recipes and saved recipes on their homepage.
- Users can search for recipes based on ingredients.
- Site displays a page with recipes info(from 3rd party API), ratings(from db), and comments(from db).
- Users can rate a recipe and comment on it.
- Users can add recipes to their profile.
- Users can create new recipes.

3rd Party APIs

Recipe Search and Diet **-** Search recipes by ingredients, diets, allergies, and nutrition. We will use this to provide a large selection of searchable, predefined recipes for our users.

QR Code **-** Create QR codes to store recipe information or links to resources.
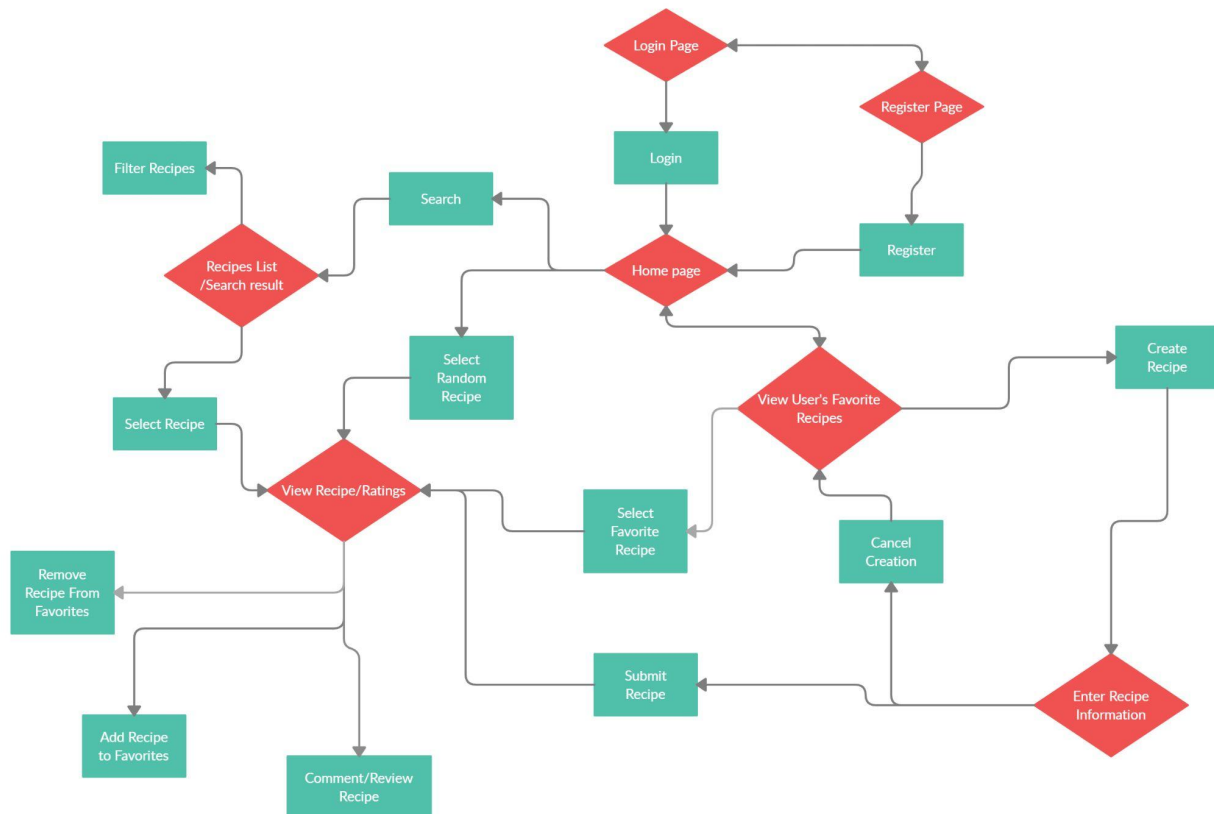
User Stories

1. As a viewer, I want to be able to find and keep track of recipes that I find tasty.
2. As a viewer, I want to be able to rate and comment on recipes, so that I can exchange opinions with other users regarding recipes qualities.

3. As a viewer, I want to be able to save recipes to my profiles, so that it would be easy for me to look the recipes up when I need to use them.
4. As a viewer, I want to be able to create new recipes, so that I can share some secret recipes with other users.
5. As a user with food sensitivities and allergies, I want to be able to find recipes that work with my diet concerns.

Stretch Goals
1. Track users' allergies.
2. Recommend recipes based on users' most frequently searched ingredients.
3. Add a system such that you can comment on other users' comments.
4. Provide functionality to create your own recipes by altering existing recipes.

User Interaction Model - https://app.creately.com/diagram/euoCDxuUPVP/edit

Database Model - https://app.creately.com/diagram/Q772mwxghMu/edit

UserRecipe

UserRecipeID (PK)	INTEGER
UserID (FK)	INTEGER
RecipeID (FK)	INTEGER
ApiRecipeKey	INTEGER

Recipe

RecipeID (PK)	INTEGER
CreatorUserID (FK)	type
Name	NVARCHAR(100)
Instructions	NVARCHAR(5000)

User

UserID (PK)	INTEGER
FirstName	NVARCHAR(100)
LastName	NVARCHAR(100)
Email	NVARCHAR(100)
Username	NVARCHAR(100)
Password	NVARCHAR(100)

Rating

RatingID (PK)	INTEGER
UserID (FK)	INTEGER
RecipeID (FK)	INTEGER
Score	BYTE

Ingredient

IngredientID (PK)	INTEGER
Name	NVARCHAR(100)
Allergens	NVARCHAR(100)

Comment

CommentID (PK)	INTEGER
UserID (FK)	INTEGER
RecipeID	INTEGER
CommentText	NVARCHAR(500)
CommentTime	DATETIME

RecipeIngredient

RecipeIngredientID (PK)	INTEGER
RecipeID(FK)	INTEGER
IngredientID (FK)	INTEGER
Quantity	INTEGER
MeasureUnit	NVARCHAR(100)