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Soft Dev pd8
Task the Second: The Plan
2018-11-20

# TUNED RECIPES

## OVERVIEW

Tuned Recipes is a website that provides recipes tailored to the user's preferences and also recommends music based on the recipe chosen. If the user is registered, their preferences will be saved for future use. While registered users may add recipes, guests will only be able to view recipes and listen to recommended music.

**Front End Framework: Bootstrap**

## DATABASE SCHEMA

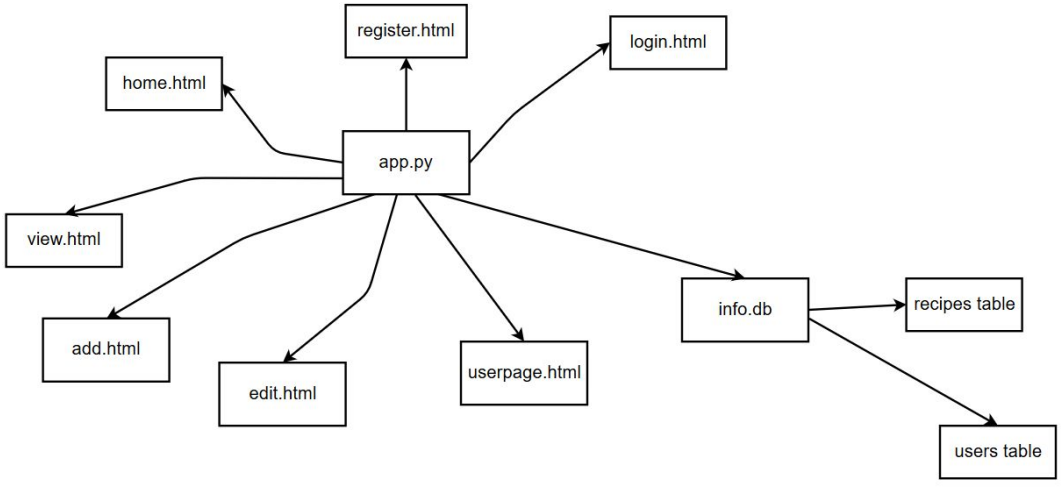
User Information

| | User | Password | Preferences |
|---|---|---|---|
| Data Type | Text primary key | Text | List |

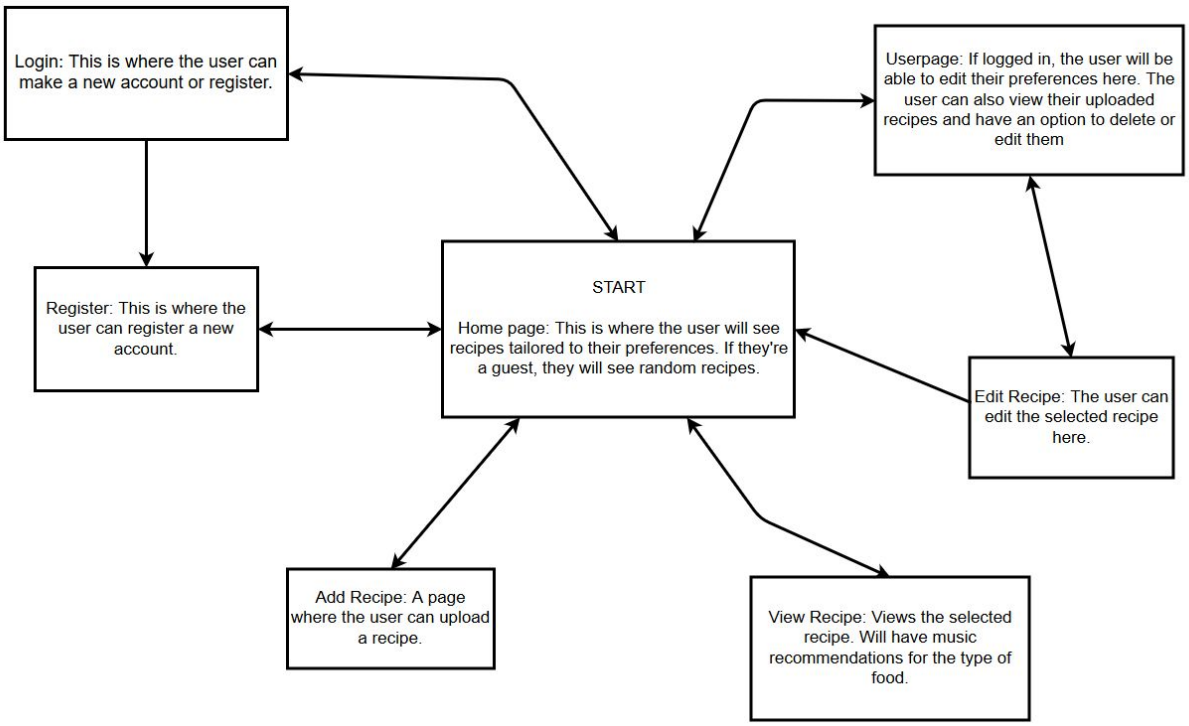
Recipes

| | User | Title | Ingredients | Instructions | Images | Music |
|---|---|---|---|---|---|---|
| Data Type | Integer primary key | Text | List | Text | Link | Link |

## COMPONENT MAP



## SITE MAP



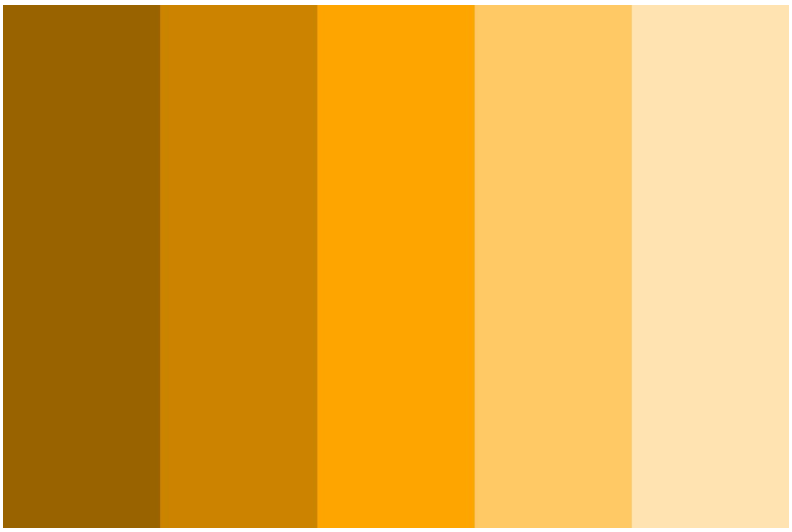

## Explanation of Database, Component Map, and Sitemap

1. If a user is not logged in, they can only access the homepage, login page, and register page. They can also view trending recipes, highly rated recipes, and a few random recipes obtained from the Food2Fork API.
2. When a user registers, they will input their preferences based on their dietary restriction, custom tags, and favorite ingredients, flavors, and meals. They will then be directed to a personalized homepage based on the user's choices.
3. Within the home page, the user can choose to look at recipes belonging to a single preference (i.e if the user likes beef, they can choose to only view recipes with beef).
4. When the user selects a recipe, they are directed to the recipe page, which includes a list of ingredients and their measurements, instructions, and recommended music.
5. From the homepage, the user can select the "Add recipe" button to upload their own recipe. In the directed page, the user will input the recipe name, ingredients with measurements, instructions, recommended music, along with optional pictures.

## APIs

- ➔ https://www.food2fork.com/about/api
- ➔ http://www.recipepuppy.com/about/api/
- ➔ https://www.themealdb.com/api.php
- ➔ https://www.last.fm/api

## COLOR PALETTE



## TO-DO LIST

1. Create the design document
2. Create user and recipes databases
3. Create pages that list recipes and allows the user to view them
4. Add songs to the recipes
5. Create user sign in and sign up pages
6. Create user page for editing preferences
7. Add user preferences and make recipes reflect them
8. Create add and edit or create recipes pages
9. Update user pages for uploaded recipes

## ROLES

Project Manager - Tania Cao

- ➔ Make sure the group is consistently working on the project
- ➔ Handle (minor) coding tasks as necessary
- ➔ Update and maintain the design document
- ➔ Make sure that the group is adhering to the design document
- ➔ Update and maintain the devlog

Database / Backend Technicians - Mohtasim Howlader and Johnson Li

- ➔ Create database system following the data schema outlined above
- ➔ Create functionality to access, add and modify the database
- ➔ Make the database compatible with the frontend

Frontend Technicians - Hasif Ahmed and Johnson Li

- ➔ Construct HTML web pages that will process user input in the backend
- ➔ Render the web pages when requests are sent
- ➔ Make the frontend compatible with the backend