2Cool2Cook

SDD Team Presentation

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Project's URL:

https://github.com/YuetingLiao/SDD-Team.git

Our Team

— — —

Team name

- 2Cool 2Cook

Team member names and roles

- Ruisi Jian (Expert coder/Full-stack)

- Yueting Liao (Team leader)

- Yuchen Wang (Front-end/UI design)

- Yifan Wang (Back-end/Database design)

- Xiaoyu Zhang (Back-end/Search algorithm)

Meeting Minutes

— — —

- Summarize and evaluate what we did in the last meeting

- Discuss the progress made so far and evaluate for potential improvements.
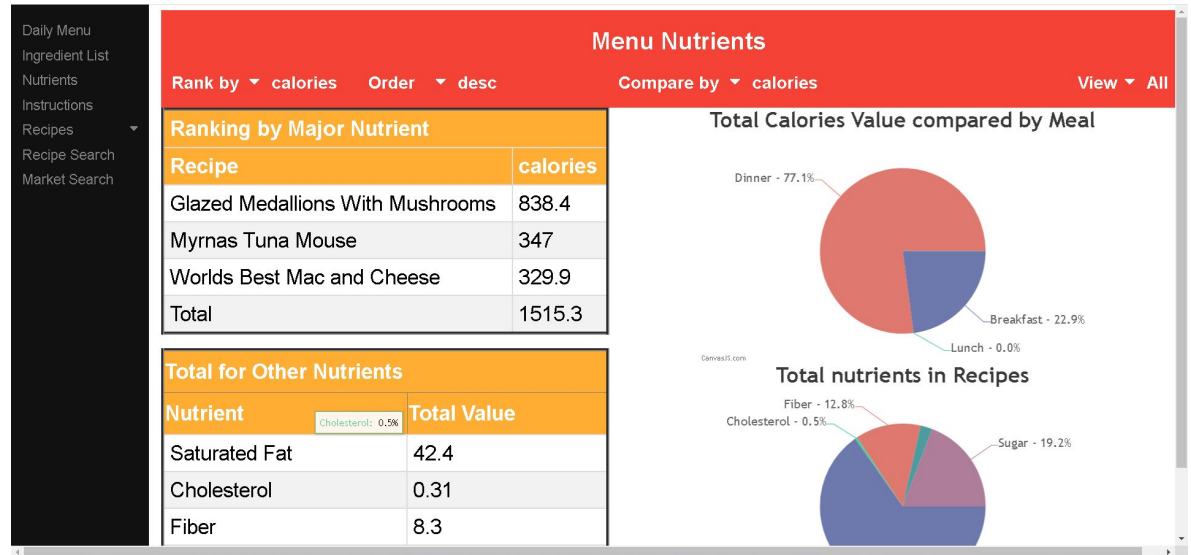
- A list of tasks for the next meeting.

Meeting Record Link:

https://docs.google.com/document/d/1mJW8UWMUnrlh8FBEFf_GY9MLaYU6fGM3n-BjViskeRc/edit

?usp=sharing

Project Summary

— — —

Our Website includes:

- Recipe search

- User account/profile

- Menu

- Ingredient Information

- Market search

Project stakeholders and users

— — —

- **Cooking novice**: make their first step easy and build their confidence in cooking

- **People who cares about recipe nutrition:** make sure that calories keep at standard level each day

- **People who are plan-driven**: record the daily menu ahead of time

- **Chefs** who want to learn new recipes: expand their professional skills
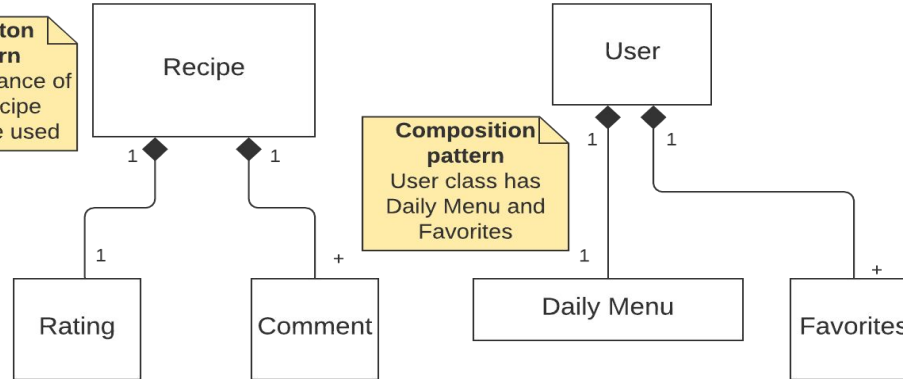
Domain Model - Diagram
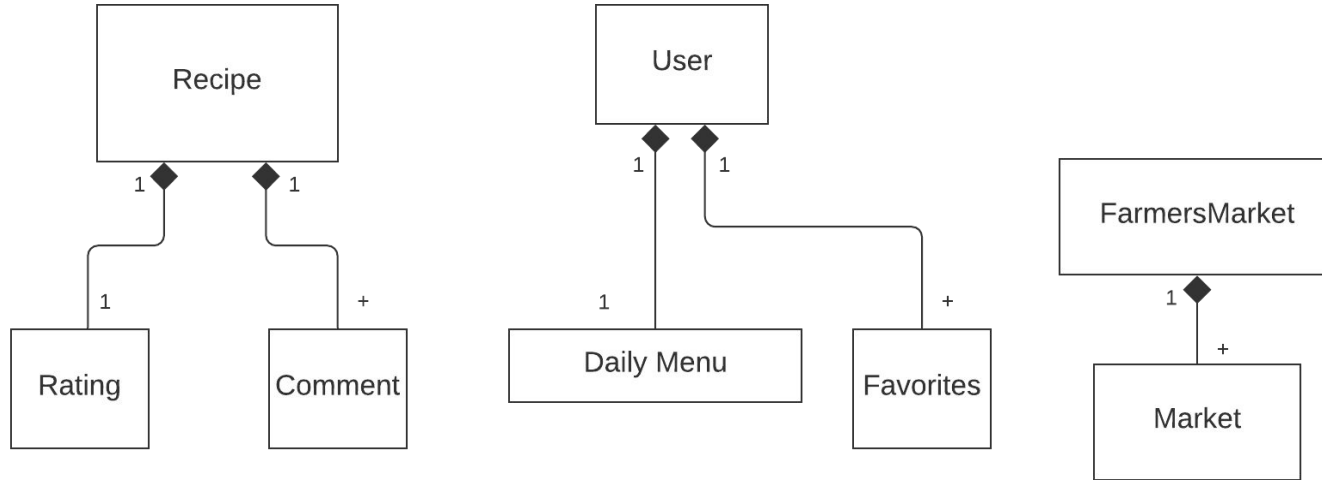
Project Design - Design Patterns

— — —

1. Composite
2. Singleton
3. Observer

1. Display most recent 20 comments for a recipe
2. Rating is calculated as the average of all user ratings

Unanswered Questions
1. Reply to comments under recipes and notify the author
2. Realize more Database tables needed to organize user inputs
3. Role of user preference in recipe searching

Singleton pattern
only 1 instance of each recipe should be used

Recipe

Composition pattern
User class has Daily Menu and Favorites

User

FarmersMarket

1 ◆   ◆ 1

1 ◆   ◆ 1

1   +

1   +

1 ◆

Rating

Comment

Daily Menu

Favorites

Market

Observer pattern
Recipes display differently in daily menu and Favorites

Project Design - Deployment Diagram
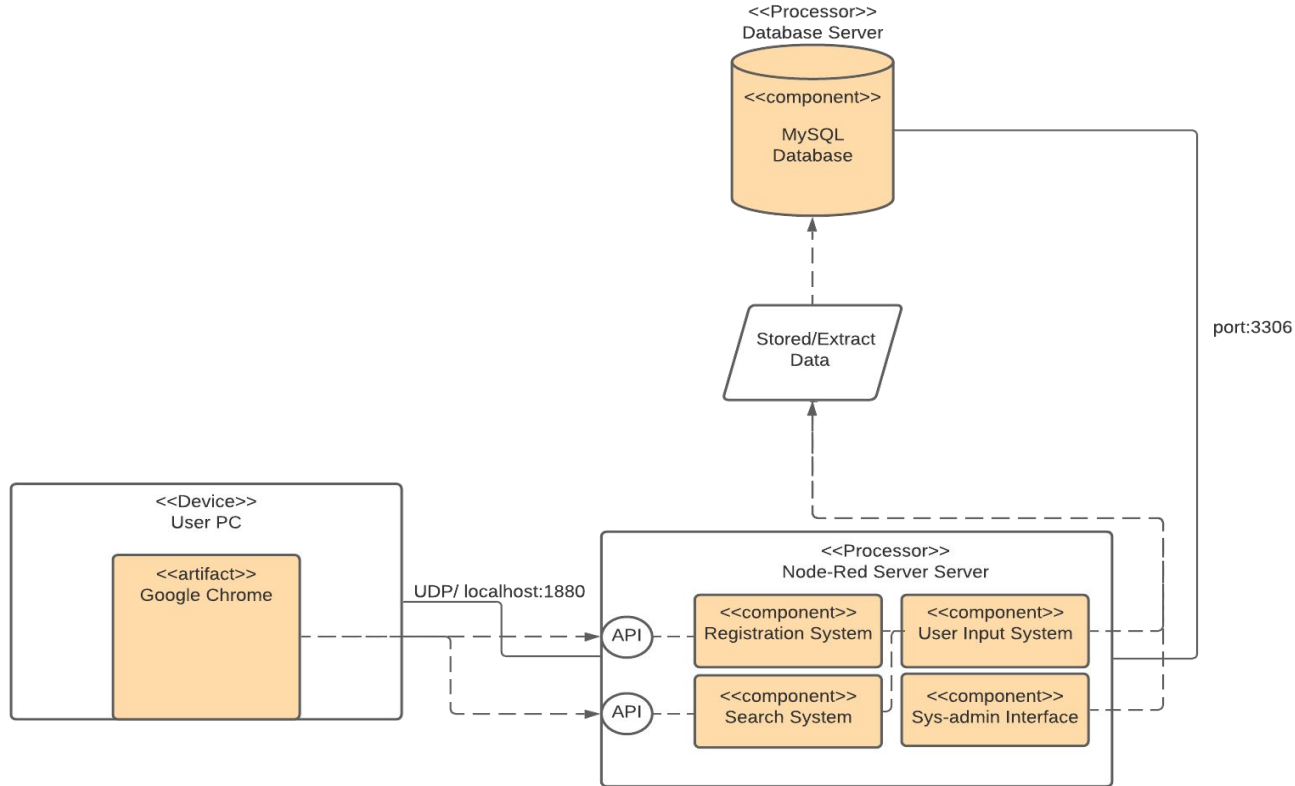
Project Design - An example Sequence Diagram

- - - -

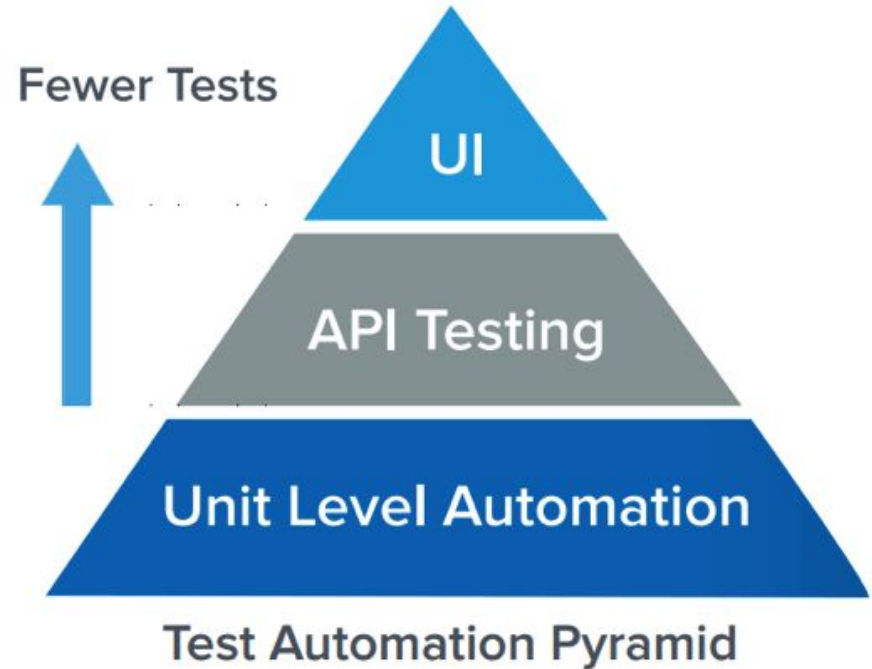- Add a recipe to daily menu
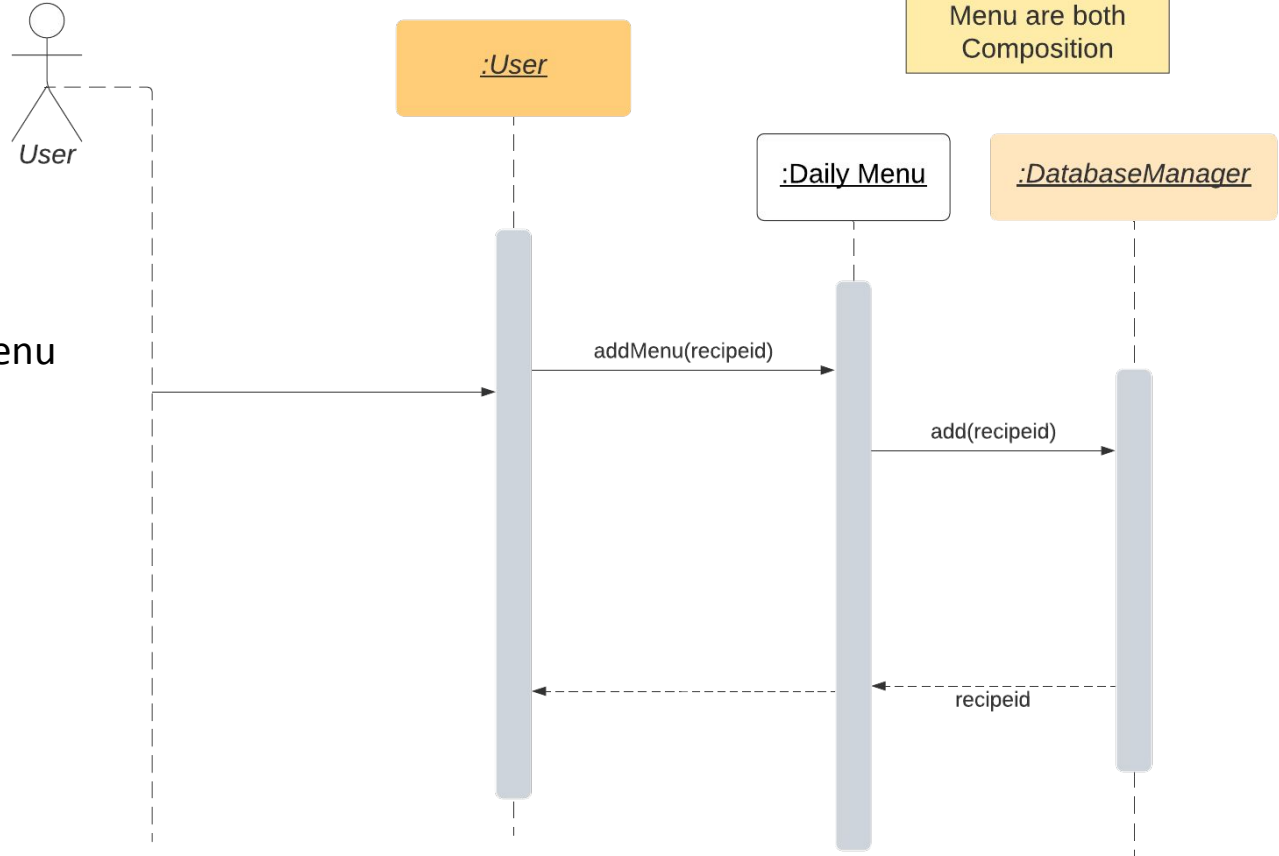
Test Plan

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1. Python unit tests

   ● Basic integration and functionality

2. Web page navigation tests

   ● Uncommon but possible scenarios

Test Automation Pyramid

Python Unit Tests

— — —

1. Create account

2. Add to menu

3. Get nutrition info

Prepare test inputs → Request POST method

→ Check return status → Verify database updates

Python Unit Tests - Continue

— — —

```
test_add_menu (__main__.AddToMenuTest) ... ok
test_add_menu_invalid_cookie (__main__.AddToMenuTest) ... ok
test_add_menu_invalid_meal_type (__main__.AddToMenuTest) ... ok
test_add_menu_invalid_recipe (__main__.AddToMenuTest) ... ok
test_create_account (__main__.CreateAccountTest) ... ok
test_create_account_duplicate_username (__main__.CreateAccountTest) ... ok
test_create_account_empty (__main__.CreateAccountTest) ... ok
test_create_account_pwd_limit_16 (__main__.CreateAccountTest) ... ok
test_create_account_username_limit_25 (__main__.CreateAccountTest) ... ok
test_delete_menu (__main__.DeleteMenuTest) ... ok
test_delete_menu_invalid_cookie (__main__.DeleteMenuTest) ... ok
test_delete_menu_invalid_meal_type (__main__.DeleteMenuTest) ... ok
test_delete_menu_invalid_recipe (__main__.DeleteMenuTest) ... ok
test_get_macro (__main__.GetMacroTest) ... ok
test_get_macro_empty (__main__.GetMacroTest) ... ok
test_get_macro_invalid_cookies (__main__.GetMacroTest) ... ok
test_get_macro_invalid_meal_type (__main__.GetMacroTest) ... ok

----------------------------------------------------------------------
Ran 17 tests in 1.392s

OK
```

User Scenario Tests

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1. Add to menu without Login

2. Load Menu page from url without Login

3. Add conflicting preference and allergies

Implementation Plan

— — —

- Language use: HTML, Javascript, SQL, Python

- Each team member in charge one of the subpage

- Major website structure → page navigation → Feature Implementation → UI Implementation
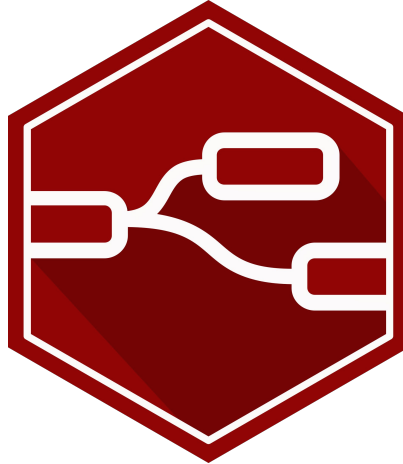
Implementation Plan - Continued

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Development softwares & tools:

- MySQL Ver 8.0.21 for Win64 on x86_64 (MySQL Community Server - GPL)

- Node-RED version: v1.1.3

- Node.js Version: v12.18.4

- Python version: 3.6.5

Demo / Member Contributions

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Primary focus:

Eric Zhang - Landing Page

Yifan Wang - User profile Page

Yuchen Wang - Ingredient Page

Ruisi Jian - Menu Page

Yueting Liao - Farmers Markets Page

Future Improvements
— — —

1. Complete all requirements (user upload recipes)

2. More functionality test and unit test

3. Move to remote (using cloud like MongoDB)

4. App version

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