Team Presentation

1. A clickable URL to your team presentation recording

Team presentation recording link:

- https://www.youtube.com/watch?v=cwJZ5bI9NNY

PPT link:

- https://docs.google.com/presentation/d/1tjN4WcI3MoeOq0kicTxoW7yKw6PhQo_CdEoA4CQsIAg/edit?usp=sharing

2. Your team name, each team member's name and role, and your team's structure, i.e., how did you run your meetings, store your meeting minutes, maintain your documentation and code, etc.?

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)

Any changes to your team dynamics, individual roles, weekly team meetings schedule, how meetings are run, where to find meeting minutes and other artifacts, etc.

Weekly team meeting schedule in EDT

- Mon/Thu 9:00 AM - 10:50 AM

A summary of how you will run each meeting and where minutes will be recorded and stored (and searchable)

- Summarize and evaluate what we did in the last meeting and conclude our inadequacy.

- Each member will be reporting their progress of tasks and potential problems from the last meeting
- Discuss the progress made so far and evaluate for potential improvements.
- Provide some constructive thinking and set a list of tasks for the next meeting.
- Assign appropriate works for each team member.
- Use Google Doc to record the minutes from the meeting (One Doc for all meetings)
- Meeting Minutes: https://docs.google.com/document/d/1mJW8UWMUnrlh8FBEFf_GY9MLaYU6fGM3n-BjViskeRc/edit?usp=sharing (updated every meeting)

Nooks room we typically meet in

- K

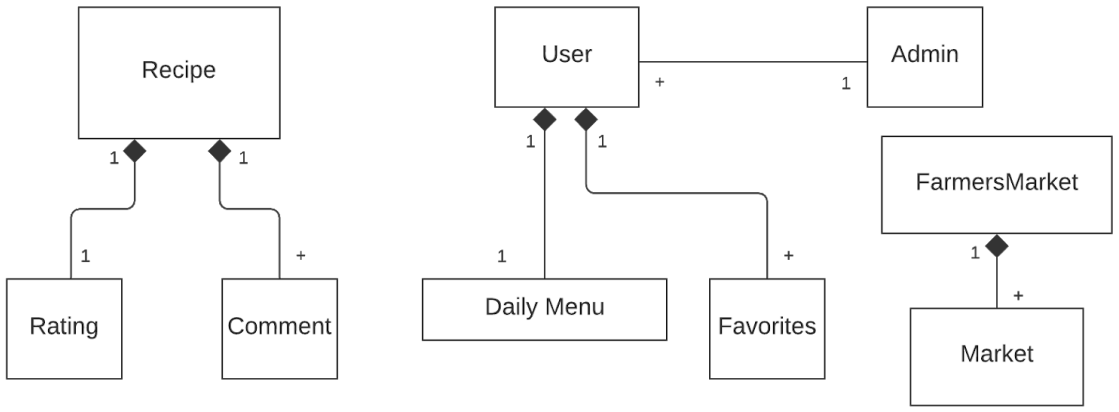
Project's URL

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

3. A summary slide of what your project is or does, who your project stakeholders and users are, and the current state of your project

This project presents a web-based solution to help a wide population of cooking greenhands to manage their daily menu and minimize their cooking time. The idea of the project came from the Covid-19 epidemic, a time when restaurants and diners are closed or have a limited suppliance. A considerable number of beginners inevitably have to cook themselves. They prefer to have some tool to help them plan out a weekly menu and rearrange the procedures to maximize concurrency of steps so that the cooking time could be minimized. To assist users to cook more conveniently and efficiently, this project will be developing a website that allows users to search for a recipe, manage recipes into menus, and generate optimized cooking procedures to minimize cooking time.

4. A detailed view of your project's requirements and domain model, i.e., how did you model the requirements?

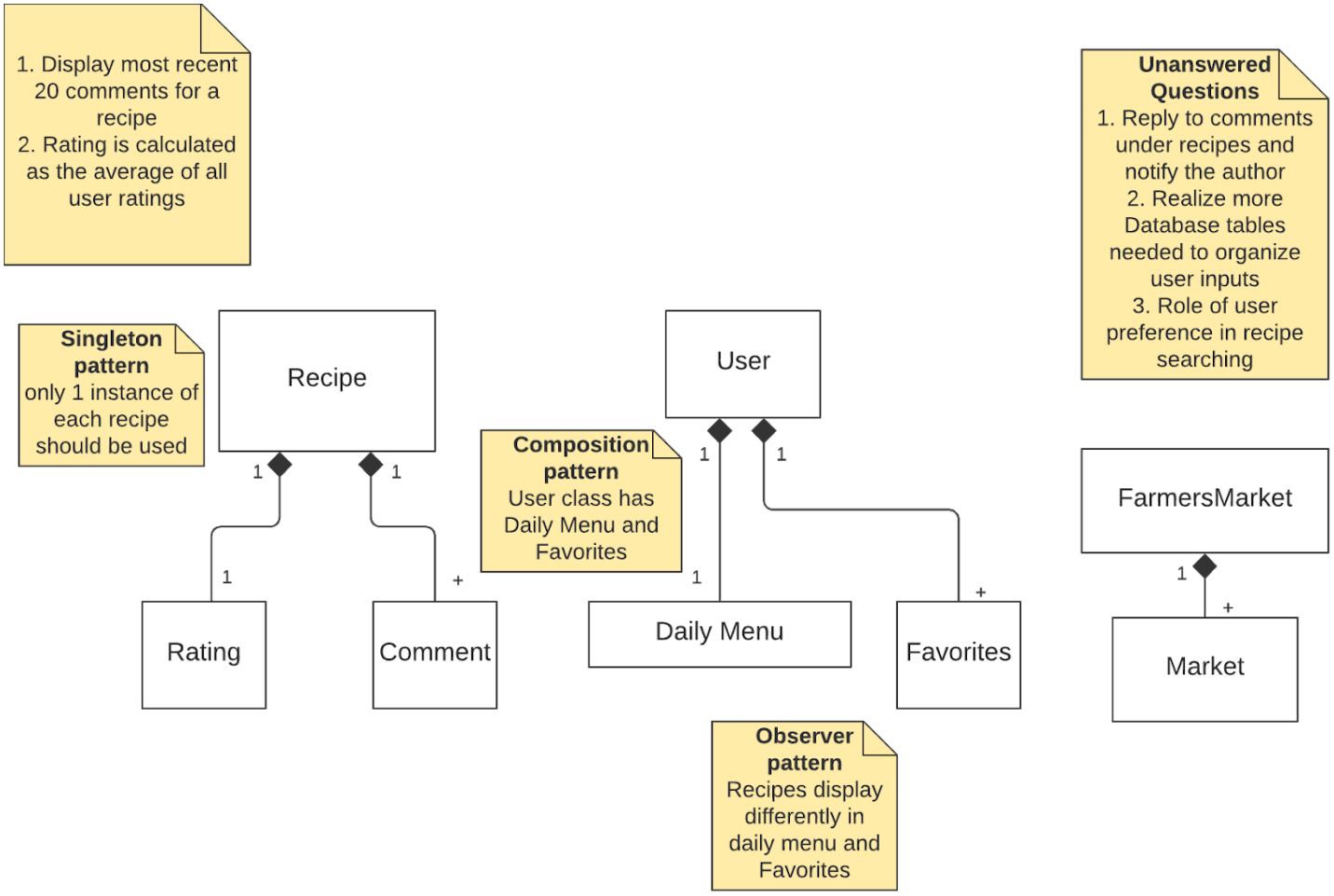


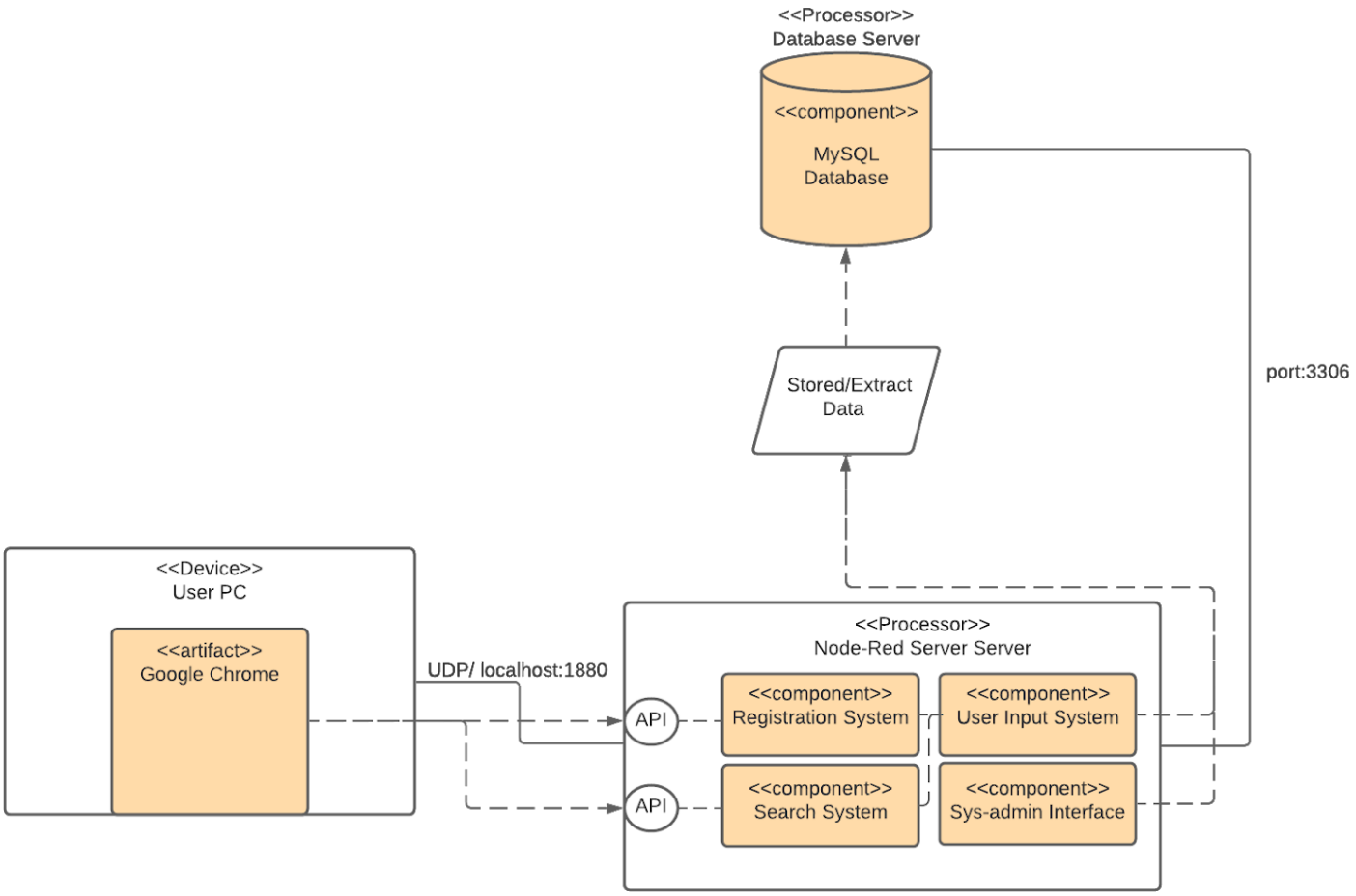
ID	Requirement	Priority	Stakeholder	Feasibility
1	Search for a recipe	high	Cooking novice; Indecisive users	Phase 1
2	Smoothly navigate through different pages with a logical flow	high	All users	Phase 1

3	Search for a farmers market	medium	All users	Phase 2
4	Comment on the recipes	low	All users	Phase 3
5	~~Rating for the recipes~~	low	All users	Phase 3
6	~~Verifying the recipes~~	low	Staff	Phase 3
7	Set timer for certain steps that require timing	low	Cooking novice	Phase 3
8	~~Update Rating weekly~~	low	All users	Phase 3
9	Add dietary preferences	medium	All users	Phase 2
10	Drop dietary preferences	medium	All users	Phase 2
11	Add allergy to user profile	medium	All users	Phase 2
12	Set up a daily menu	high	Cooking novice	Phase 1
13	User login account created	high	All users	Phase 1
14	User feedback	low	All users	Phase 3
15	~~User account deactivate~~	low	Staff	Phase 3
16	~~Add a favourite recipe to user profile~~	medium	All users	Phase 2
17	~~Remove favourite recipe from the user profile~~	medium	All users	Phase 2
18	~~Displays weekly top 10 recipes~~	medium	All users	Phase 2
19	Sort the recipe searching result by recipe rating	medium	All users	Phase 2
20	Check off steps on the procedure when completed	low	Cooking novice	Phase 3

5. A detailed view of your project's design

Note: Composition refer to "Composite Design Pattern"




<<Processor>>
Database Server
<<component>>
MySQL
Database
port:3306
Stored/Extract
Data
<<Device>>
User PC
<<artifact>>
Google Chrome
UDP/ localhost:1880
<<Processor>>
Node-Red Server Server
API
API
<<component>>
Registration System
<<component>>
User Input System
<<component>>
Search System
<<component>>
Sys-admin Interface

6. A summary of how you tested your project, including some test cases that you have defined but not yet run; look to describe “interesting" tests here, i.e., show us some test cases that go beyond just basic functionality

Unit Test Code: (In Python)
import unit test, requests, PyMySQL, random

Unit Test Results:

```
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
```

Test case 1:

#1 Unit Test for AddToMenu method

Test case 2:

#2 Unit Tests for GetMacro method

Test case 3:

#3 Unit Tests for CreateAccount method

Test case 4:

#4 Unit Test for DeleteMenu method

7. A summary of your implementation plan

1. HTML, Javascript, SQL, Python
2. **HTML**: The team uses HTML to specify the display of the webpage. The team decides to use this to describe the webpage design because it is easy to use markup language that can be simply integrated with javascript and extensions such as CSS for web design.
   Javascript: The team uses Javascript to control the on-click event and dynamic display of the webpage. The team decides to use this language because Javascript can be easily integrated with HTML and it is an empirical programming language that is good at handling logic operations.
   SQL (for MySQL specifically): The team uses SQL to manage and call databases. The team decides to use this language because it is the only way to communicate with the MySQL database, which the team uses to store the data.
   Python: The team uses Python to generate CSV files for the database. The team can directly access information from the database or return the results that users expect. The team decides to use this language because it has strong modules for data processing such as pandas. The team also uses Python for unit test cases since Python has a convenient unit test case module.
3. The team uses the camel case for the consistent naming convention, the spacing conventions are based on the use of tabs. The comments in the Javascript follow Javadoc standard.
4. Installation and build requirements for team members
   OS and version of development
   Windows/ Mac:
   - 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

8. (v1.1) A demo and/or mock-up demo of your system; this can also be incorporated in the above items, e.g., as you talk about requirements, show part of your demo meeting those requirements

   See in the video presentation

9. Final brief closing statement of where you would go with your project next if you had another six months (or another semester or another three years) to work on it.

1. Complete all requirements
2. More functionality test and unit test
3. Move to remote (Cloud)
4. App version
5. User upload recipes