



Over Power Group "Food Advisor"

Yes! WE'RE
OPEN



Presentation Outline

1. Overview
2. Project Design
3. Results
4. Implementation Details
5. Future Development



1.

Overview

Project Background and Introduction



Overview

- ◆ This is a project made for CUHK(SZ)'s CSC3170 course.
- ◆ We chose option 2, branch 1 with normal difficulty as our final project.
- ◆ We use Python's Flask along with some supporting libraries in the development of the project.



Background Information

- ◆ Upon entering a new environment, people might be overwhelmed with the variety of restaurants and dishes provided in the new area.
- ◆ New dish or deletion of a dish is also important to let loyal customers able to cater their cravings.
- ◆ In this project, we have made a website that enables people to gain information on restaurants, food information, its ratings and reviews.
- ◆ Currently consisting 4 restaurants and 32 dishes which are taken from a game.



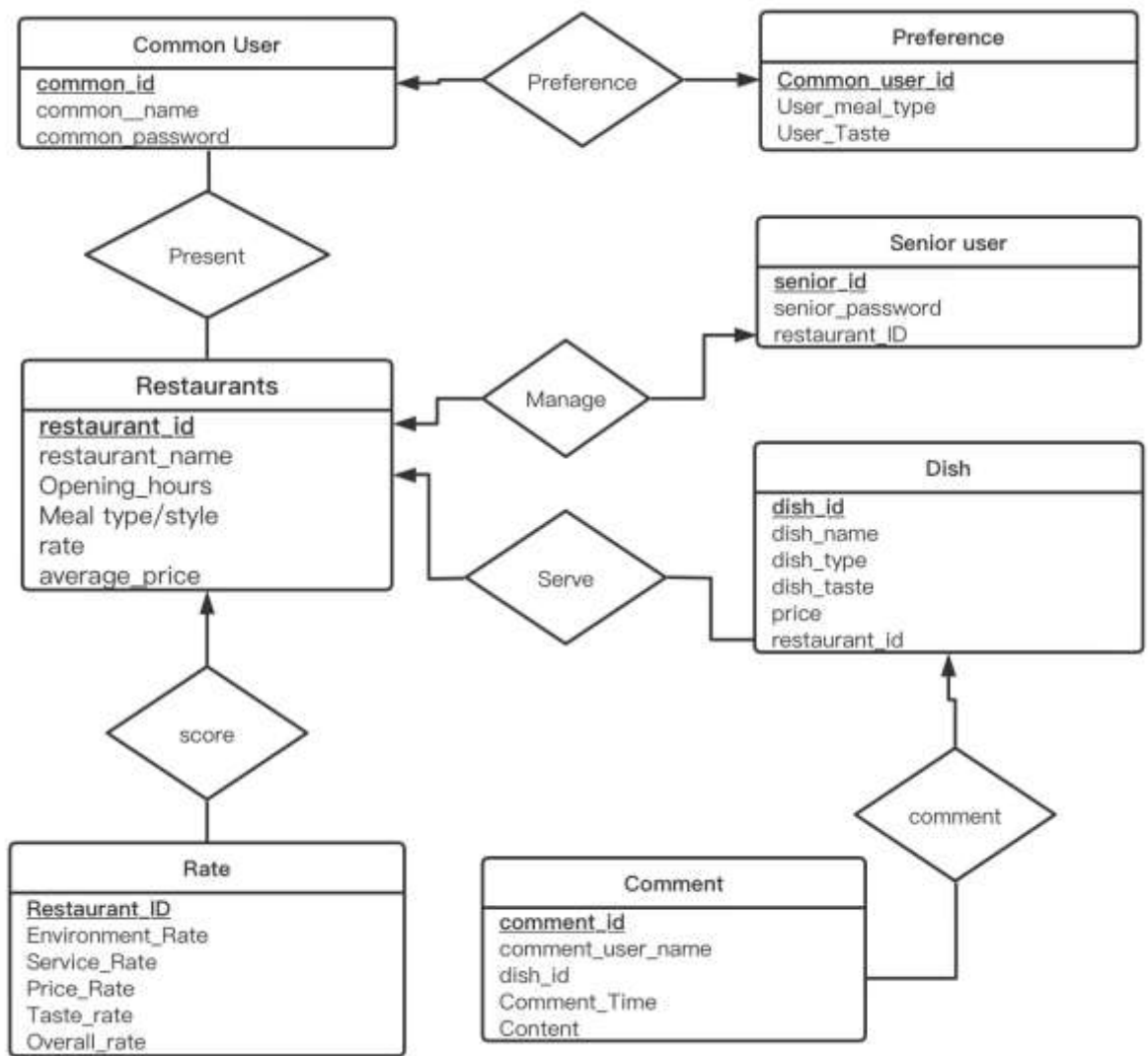
2.

Project Design

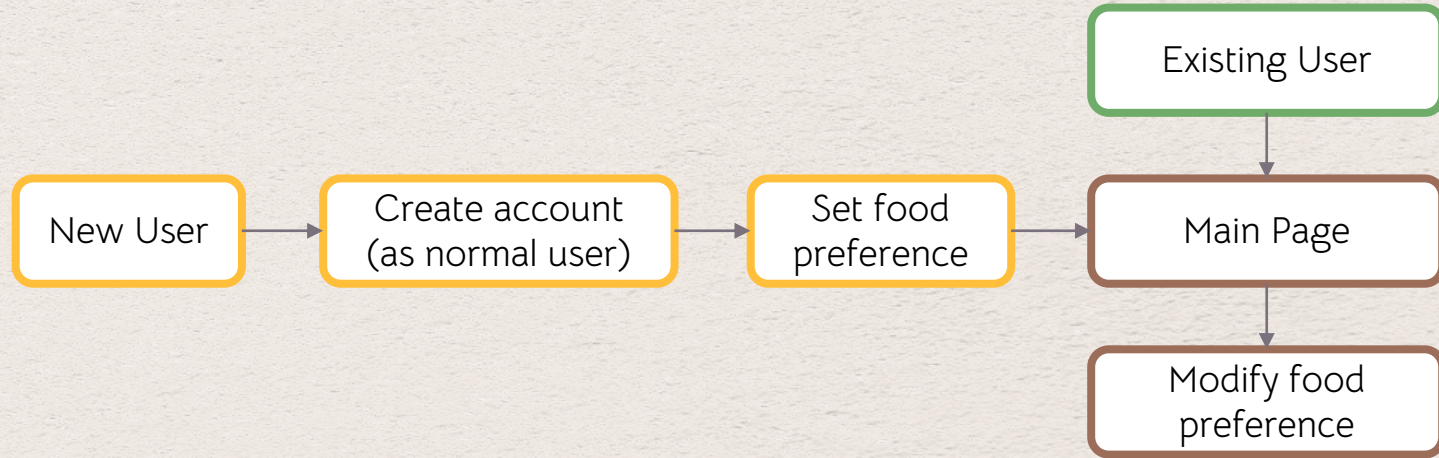
ER Diagram and Use-case Diagram



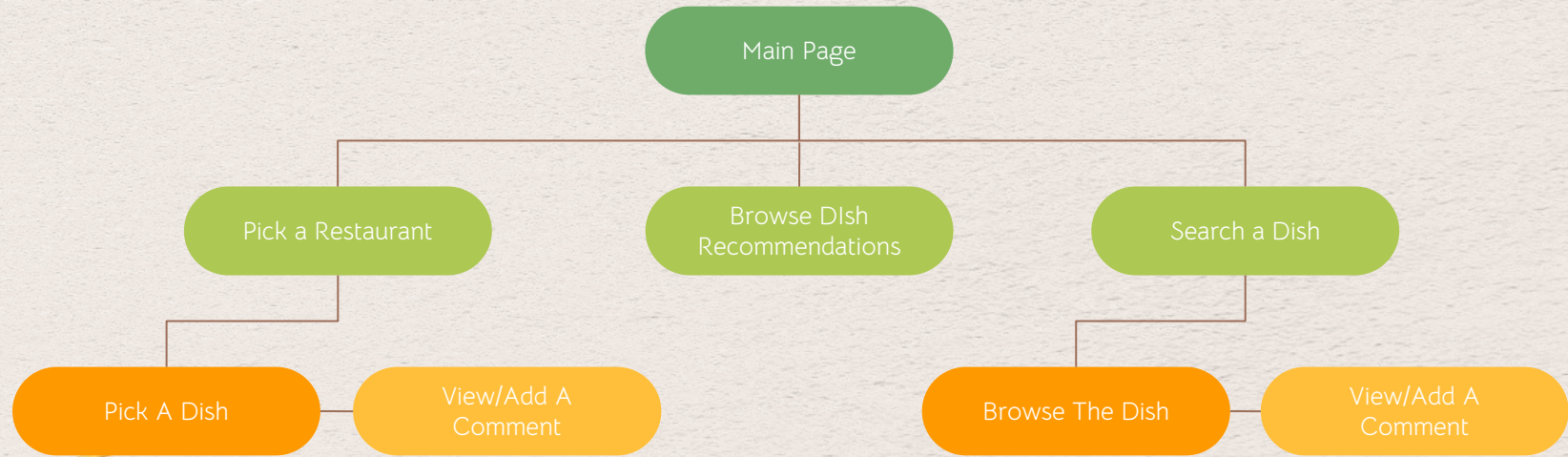
ER Diagram



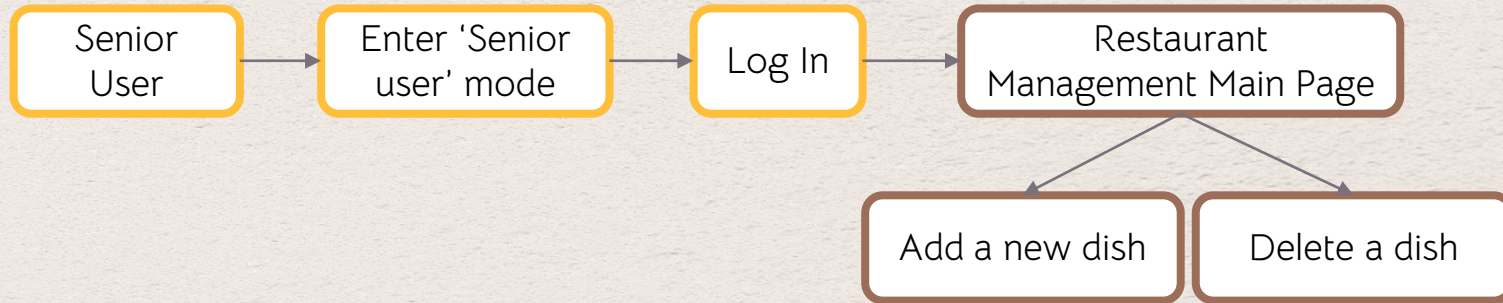
Workflow



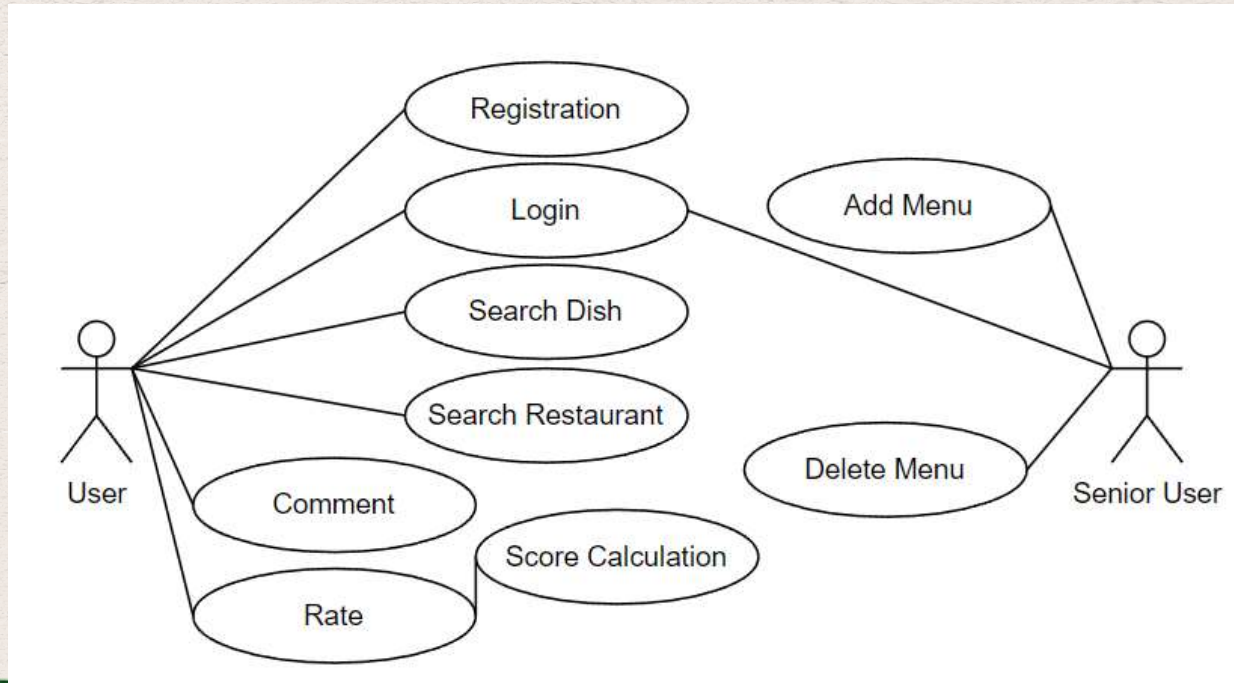
Common Users' Main Page



Workflow



Functionality (by Use-case Diagram)



3.

Results

Website demonstration (screenshots)



Welcome to Food Advisor!

Username

Password

[Sign in](#)

[I am a senior user](#)
[Create an account](#)

Back



Welcome to Food Advisor!

Username

Password

Confirm Password

[Sign up and Sign in](#)

Nice to meet you! Please Choose Your Preferences:

Meal Style :

☐ *Appetizer* ☐ *Soup* ☐ *Main Course* ☐ *Dessert*

Taste :

☐ *Sweet* ☐ *Sour* ☐ *Spicy* ☐ *Salty* ☐ *Umami*

Submit

Restaurants

Good Hunter



It is always filled with mouthwatering aroma and a great atmosphere. If you can't get your reservations, at least ordering take-out is still an option.

Wanmin Restaurant



Some say that the goal of this restaurant is to keep everyone on earth well-fed, while others believe that it strives to unify all regional cuisine of the world. Either way, with its unique dishes, it is surely a place worth visiting.

Shimura's



They say that this is one of the most popular food stores in the shopping district. Though the boss was never able to make it big despite a lifetime of work, he was at last able to gain a little relief of his own here in the shopping district.

Lambad's Tavern



Its owner, Lambad, claims to be a legendary sailor who used to sail far and wide. It is rather difficult to tell how exaggerated the claim is, but judging from the food sold in the tavern, at least the part about cuisines seems credible.

Dish Recommendations:

Mushroom Pizza



Sunshine Sprat



Black-Back Perch Stew



Search...

Cream Stew

Fruit of the Festival

Good Hunter

4.8



It is always filled with mouthwatering aroma and a great atmosphere. If you can't get your reservations, at least ordering take-out is still an option.

Rating

Environment ★ ★ ★ ★ ☆

Service ★ ★ ★ ★ ★

Price ★ ★ ★ ☆ ☆

Taste ★ ★ ★ ★ ★

Cream Stew \$25



A meat and vegetable stew. These warm, buttery ingredients are so good that you almost want to dive into the cream stew and cuddle up with them.

Fruit of the Festival \$12



The sublime enjoyment brought by the refreshing taste is almost like a sweet, illusory dream. One small sip transports you onto a white, sandy beach, where the sparkling seawater beats with the rhythm to which the hymn of your leisurely vacation shall be composed.

Goulash \$25



A steaming-hot stew. Just one spoonful sends a down-to-earth sense of satisfaction welling up from the depth of your heart. The meat's flavor grows with every chew, bring limitless strength to the eater even

Sunshine Sprat



Gently fried fish dish. The fish melts in your mouth, melding the flavors of land and sea together as it does, making for an unforgettable experience. Little wonder, then, that such a simply-made dish can make it into restaurants of great class.

[Log Out](#)

Sova

The fish is very fresh!

2022-12-27 17:38:32

Reyna

Delicious!

2022-12-27 17:40:16

Comment:

Submit



Welcome to Food Advisor!

Username

Password

Sign in

[I am a normal user](#)
[Create an account](#)

Wanmin Restaurant



Some say that the goal of this restaurant is to keep everyone on earth well fed, while others believe that it strives to unify all regional cuisine of the world. Either way, with its unique dished, it is surely a place worth visiting.

Add a new dish

Name:

Price: (e.g. "\$20")

Description:

Adeptus' Temptation **\$59** [Delete](#)



The dish is a rare and exquisite mix of both land and the sea, combining countless delicious delicacies in one flavor-filled pot. Each mouthful is a moment to remember - it's even irresistible enough to entice the adepts down from their celestial abode.

Almond Tofu **\$12** [Delete](#)



The dish is a rare and exquisite mix of both land and the sea, combining countless delicious delicacies in one flavor-filled pot. Each mouthful is a moment to remember - it's even irresistible enough to entice the adepts down from their celestial abode.

Bamboo Shoot Soup **\$14** [Delete](#)



A soup dish that's been stewed for a long while. One whiff is enough to

Shimura's



They say that this is one of the most popular food stores in the shopping district. The boss is a poor samurai and a self-made man. Though he was never able to make it big despite a lifetime of work, he was at last able to gain a little relief of his own here in the shopping district.

Add a new dish

Successfully delete!

Name:

Butter Crab

Price: (e.g. "\$20")

\$30

Description:

The butter-infused crab legs have a rich aroma that washes over the taste buds so seductively that before you know it, you've eaten it all, and are left sipping at the dregs of butter in the crab's shell, hoping to recapture a fragment of the dish's beauty.

Image:

Choose File Screen Shot...t 4.49.13 PM

Imported Poultry **\$18** [Delete](#)



Having been marinated beforehand, the fowl has had several layers of flavor added to it, keeping its oiliness in perfect moderation. Bite down on that crispy, crackling, flour-skin, and feel the rich juices of the fowl rush into your mouth and whet your appetite.

Rice Cake Soup **\$26** [Delete](#)



Commonly-seen city cuisine. The freshness of light soup forms the perfect backdrop for the original flavor of the ingredients to stand out. This back-to-basics cuisine is sure to make you feel warm inside when eaten on a snowy night.

Sakura Mochi **\$12** [Delete](#)



It is surrounded by the fragrance of sakura, and its elegant exterior hides a loveliness that comes forth and disappears in the a single instant. In a moment when all is silent, a single taste returns you to

4.

Implementation Details

Supporting details



Create Account



Over X Power

Welcome to Food Advisor!

Username:

Password:

Confirm Password:

[Sign up and Sign in](#)



Welcome to Food Advisor!

Username:

Password:

[Sign in](#)

Creating an account succeeded, you can log in with this account now!

[I am a senior user](#)

[Create an account](#)



Implementation Details

Ratings

Basically counted by taking the average of all inputted ratings towards a restaurant.

Good Hunter **4.8**



It was always filled with mouthwatering aroma and a great atmosphere. If you can't get your reservations, at least ordering take-out is still an option.

Rating

Environment	☆☆☆☆☆
Service	☆☆☆☆☆
Price	☆☆☆☆☆
Taste	☆☆☆☆☆




Common User Main Page




Main page consist of:

- ◆ List of Restaurants
- ◆ List of Dishes
- ◆ Search function for dishes
- ◆ Dishes Recommendation

Senior User Page

Over  Power

Good Hunter



It was always filled with mouthwatering aroma and a great atmosphere. If you can't get your reservations, at least orderingg take-out is still an option.


Add a new dish

Name:

Description:


Image:

Cream Stew **\$25**




A meat and vegetable stew. These warm, buttery ingredients are so good that you almost want to dive into the cream stew and cuddle up with them.

Fruit of the Festival **\$12**



The sublime enjoyment brought by the refreshing taste is almost like a sweet, illusory dream. One small sip transports you onto a white, sandy beach, where the sparkling seawater beats with the rhythm to which the hymn of your leisurely vacation shall be composed.

Goulash **\$25**



A steaming-hot stew. Just one spoonful sends a down-to-earth sense of satisfaction welling up from the depth of your heart. The meat's flavor grows with every chew, bring limitless strength to the eater even in the coldest wintry wastes.

Upon successful login of a senior user, they will automatically directed to their **corresponding** restaurant page, consisting of **add/delete dish(es)** features.



5.

Future Improvement



Future Development

- ◆ **Location detector** to let user know nearby restaurants availability;
- ◆ More **information on restaurants'** opening hours, holiday, and automate update on number of dishes offered;
- ◆ Consider complex relations between each taste, weather, and user's mood for **recommendation system**.



Thank you

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