CMPT 363

Group Project Part 2

Hanxi Chen (301417307)

[hanxic@sfu.ca](mailto:hanxic@sfu.ca)

**Part 2a**

**Context identification:**

SFU students, staff, and visitors will use SFU snap dining feature, user can access this feature via SFU Snap on their phone at any time of every day. Since this feature is used to find restaurants, the peak usage is on campus. The homepage of the feature is a restaurant list. When clicking into the restaurant page, users can see reviews of the restaurant from other users. After browsing to the restaurant they want to go to, the user can see the business hours and locations. Then user only need to arrive at the destination during business hours to complete the use of this function.

**User identification:**

1. **User**: Jack is a 20-year-old freshman of SFU, he lives in the dormitory on campus, his major is computer science, and most of his courses are on the Burnaby Mountain campus. He wants to manage his time well and spend most of his time studying.

**Task**: Since Jack spends most of his time at school and rarely leaves Burnaby Mountain during the week, Jack uses the dining feature for breakfast, lunch and dinner to find campus-wide restaurants. He will browse the restaurant on SFU Snap's dining feature and refer to user reviews. After Jack finds a restaurant, he will arrive at the address given by the restaurant description during business hours.

1. **User**: Mr. Thomas is a 40-year-old computer science professor at SFU. His home is 30 minutes' drive from the school. Mr. Thomas has classes in the morning and afternoon. Mr. Thomas hopes to shorten the mealtime and leave more time for class preparation, so He can't go home for lunch.

**Task**: Mr. Thomas hopes to shorten the mealtime at noon. He will open the SFU snap after class in the morning and use the dining feature to find several restaurants near his office. He will browse the restaurant on SFU Snap's dining feature and refer to user reviews. Once he had chosen the restaurant, he will go there according to the address during business hours.

1. **User**: Mr. Snack is a Food Promotion Journalist. He recently wanted to research and taste the food and restaurants on the campuses of several universities in the Vancouver area. He was going to use the reviews of the students, faculty and staff on campus as his main basis and spend a few days trying all the restaurants on campus.

**Task**: Mr. Snack was ready to count and refer to the school users' reviews of the restaurants on campus. He learned that SFU snap had information about all the restaurants on campus and the types of food they served, and that registered users could rate and evaluate the school's meals.

**Three Functional requirements:**

1. Add a rating system to the Review Mechanism, where users can rate restaurants from 1-5 (1 is the lowest and 5 is the highest)
2. Add filters to the Review Mechanism so that users can filter the types of reviews (e.g. restaurant environment, quality of food, portion size of food)
3. Allow users to comment and add images to their reviews only after logging in
4. 购物车？

**Three Non-Functional requirements:**

1. When loading a user review page, the image should be loaded within 0.5s after the text is refreshed out.
2. For each user review, add small buttons for "find it useful" and "find it useless". When the user finishes reading the review and clicks the button, the "find it useful" reviews will be recommended to the top intelligently, while the "find it useless" reviews will be hidden.
3. 一键下单？多个餐馆同时点餐？预约用餐/取餐？