Workshop 3 - Requirements, Specifications, and Design

≔ Tags	CSCI 3081W
📅 Date	@October 12, 2023

1 Sketch → List of actors

- Customer
- Restaurzan
- Kiosk
- Queue
- Food
- Pickup
- Menu
- System
- Kitchen
- Restaurant staff
- Bathroom
- Dining

2 Requirements

1. Ordering

1.1 Menu

1.1.1 The menu should be able to display the food available.

1.1.2 The menu should be able to display the food's price.

2. Payments

2.1 Food Payment

2.1.1 The system should be able to receive money for the food order.

2.1.2 The system should be able to refund money for food returns.

2.2 Payment type

2.2.1 The payments should be credit or debit.

3. Food Preparation

3.1 The kitchen staff should be able to see recipes to prepare food.

4. Dining

4.1 The dining area should have seating areas.

5. People

5.1 Customers

5.1.1 The customer should be able to order food.

5.2 Restaurant Staff

5.2.1 Kitchen

5.2.1.1 The kitchen staff should be able to prepare food.

5.2.2 Cleaning Staff

5.2.2.1 The cleaning staff should be able to clean the dining area.

5.2.2.2 The cleaning staff should be able to clean the bathroom area.

5.2.2.3 The cleaning staff should be able to clean the kitchen area.

3 Specification

1. Ordering

1.1 Menu

1.1.1 The menu should be able to display the food available; by displaying a picture and food name on a kiosk. (Req: 1.1.1)

1.1.2 The menu should be able to display the food's price; by displaying a float number of the kiosk (Req: 1.1.2)

2. Payments

2.1 Food Payment

2.1.1 The system should be able to receive money for the food order; by receiving the correct amount for the food. (Req: 2.1.1)

2.1.2 The system should be able to refund money for food returns; by sending the paid amount back to the customer's bank account. (Req: 2.1.2)

2.2 Payment type

2.2.1 The payments should be credit or debit; by VISA, or Mastercard. (Req: 2.2.1)

3. Food Preparation

3.1 The kitchen staff should be able to see recipes to prepare food; they will be able to see the recipes through a screen in a kitchen. (Req: 3.1)

4. Dining

4.1 The dining area should have seating areas; by placing tables and chairs in the dining area. (Req. 4.1)

5. People

5.1 Customers

5.1.1 The customer should be able to order food; they will be able to touch an option on a kiosk screen. (Req. 5.1.1)

5.2 Restaurant Staff

5.2.1 Kitchen

5.2.1.1 The kitchen staff should be able to prepare food. (Req. 5.2.1.1)

5.2.2 Cleaning Staff

5.2.2.1 The cleaning staff should be able to clean the dining area; they will have cleaning materials and will wipe tables. (Req. 5.2.2.1)

4 Design