CS355 – Database Project Proposal Form

Section 1: Metadata
to be filled by the student

1.1. Project Information to be filled by the student

Title: Catering Database Management Systems	
Start: 28/10/2020	End: 30/11/2020

1.2. Student(s) Information

Name: Ifrah Ilyas	ID: ii06178
Section: L1	Batch: 2023
Name: Tasmiya Malik	ID: tm06183
Section: L1	Batch: 2023
Name: Hana Ali Rashid	ID:hr05940
Section: L1	Batch:2023

Section 2: The Project
to be filled by the student

2.1. Project Description: *Please provide a brief introduction of the project including its scope.*

We are aiming to create a database management system for a catering service. It allows customers to place their orders. It also keeps track of items, orders, supplies, and shipping. The system being made is supposed to be used easily by small scale businesses and caters to all needs of the customer with a user-friendly interface which will be a Windows Form App.

2.2 Functional Requirements

This section describes each function/feature provided by your system. These functions are logically grouped into modules based on their purposes. The users in your system must be categorized such as client, customer or administrator, etc. These users will be accessing the database with the level of access that they are authorized with.

"Customer" refers to the user ordering the food.
"Admin" is the user/business managing the database
"Rider" is the person that will deliver the order.

Module 1: Placing Orders

Function 1: Customers can search for food based on specific items or categories.

Function 2: Add item to cart. A certain button on the item page prompts the system to add the item to the user's cart. All consequent item(s) added without checkout, are added to the same cart unless cleared.

Function 3: Remove items from the cart. The system allows the user to remove a previously added item from the cart. If the cart is empty, the checkout option is no longer available.

Function 4: Place the order. The user selects the checkout/place order option once they have decided on their order, after which they cannot make changes to it. The payment method (online/COD) will also be selected at this point.

Function 5: Confirm order. The system checks the ingredients for the items ordered. If they are available, the order is confirmed. Otherwise, it is declined.

Module 2: Keeping Track of Orders

Function 1: Admin can search for orders placed and orders to be delivered on a particular day/week.

Function: Admin can process data to get information such as the most popular item, most regular customers, etc.

Module 3: Delivery

Function 1: Assigning riders. Each order will be dispatched with a rider depending on availability.

Function 2: Order closure. Once the rider has delivered the order, they will update the order status and fill in details including cash received and returned, etc.

Module 4: Report Generation

Function 1: The system will generate a daily report containing details such as the number of orders received, the number of orders delivered, cash received, etc.

2.3. Planned Schedule: *Kindly list the start/end dates and the timeline for the achievement of any intermediate milestones and the expected contribution to be made by the participant(s).*

Tentative Timeline:

- 5 November - Completion of ERD
- 10 November - Creation of Dummy Data Set
- 16 November - Completion of all Windows Forms with a proper interface
- 26 November - Complete implementation of Queries

Participation:

Although all group members will be involved in the entire process, each has been assigned tasks in which they will contribute the most:

- Tasmiya: Dummy Data Set, Queries
- Ifrah: Windows Forms, Queries
- Hana: ERD, Queries