Project Proposal: Restaurant Management System

Team Members:

- Hend Ahmed Haroun (Team Lead)   hndahmdharwn@gmail.com
- Nada Khalil Mohammed
- Hala Mohammed Maher
- Safia Hassan
- Samar El-Amir
- Shahd Hussien

1. Intended Use of the System

This system is designed for two main user groups:

A) Customers

- People who want to order food online for delivery.
- They will use a website to see the menu, choose items, and place orders.

B) Restaurant Staff (Staff Dashboard)

- Kitchen workers and managers.
- They will use the website to see new orders and update their status.

2. Overall Functionality

What the system does:

The system consists of two main parts working together:

Customer Facing Side:

- Easy-to-use website for ordering food.
- Menu with photos and descriptions.
- Saves order information in the database.
- Suggests popular menu items.

Restaurant Management Side:

- Displays new orders automatically.
- Shows order history and basic reports.
- Staff can mark orders as completed.

3. **How the system helps users:**

For Customers:

- Makes ordering quick and easy.

- See what dishes are popular.

- Keeps them informed about their order.

For Restaurant Staff:

- Reduces order errors.

- Saves time on order management.

- Provides useful business insights.

For Restaurant Owners:

- Increases customer satisfaction.

- Supports business growth.

4. **Tech Stack**

Frontend: HTML, CSS, JavaScript
Backend: Python
Database: MySQL
Machine Learning: Scikit-learn