# CS355 Databases

# Fall 2019

# Project Proposal

**Online Bakery Database System**

Muhammad Faraz Ozair

Muhammad Hozefa Haider

Hasan Naseem

# *Submitted to*

Instructor Name

Ayaz Khan

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Habib University, Karachi

**Introduction**

Our aim in this project is to construct an Ecommerce website. Our approach is specific which targets easing the relationship between bakery shops and its customers by creating a website on which customers can order their desired bakery items from their desired vendor. The project attempts to satisfy a real business condition.

**Modules of the System**

Our main includes the admin and user module.

1. The admin module consists of dashboard, vendor information, customer information, site information, search, Reports etc.
2. dashboard: in this section the admin can see all details like total sales, total monthly/weekly/daily orders, sales, successful and cancelled orders, registered vendors and registered clients
3. Vendor information shows its joining date, menu. Admin can update these details
4. Client/ Customer information shows the number of orders placed against that customer ID and the detail of each order which can be accessed by that order’s ID.
5. Admin can post any upcoming offers or post to attract customers
6. Reports show the company’s performance in terms of order growth, vendor growth and customer growth etc.
7. The user/client module consists of products, account details, my orders, cart etc.
8. The products module will show the items available for purchase and FROM which vendor.
9. Account details specify the customer’s username and display options to change password and user details such as contact number etc.
10. My orders displays the users order history
11. Cart shows the items the user has purchased before placing the final order

**Missing relationships among different possible entities in the above description.**

Relationships

* Vendor info table and customer info table share a many to many relationship
* Order info and customer info also share a many to many relationship an order can be placed by many customers and the same customer can place many orders
* Customer info and vendor info both have a many to one relationship with Reports table
* Product info and order info share a many to many relationship
* Account info has a many to one relationship with customer information as one customer can have many accounts
* Cart has many to many relationship with product info

**Front-end Development**

Front add will contain all the sub modules defined above within the user module.  **Tools & Technologies**

Back-end: SQL Server

Front-end: C# and PHP