Integrative Programming
Project Proposal

Project Name: **Elina Sweets and Pastries' Transaction Processing System**

Project Title: ***An Ordering and Management System for Elina Sweets and Pastries***

A. Project Description

Elina Sweets and Pastries is a small, local, and home-based business located in Olongapo City, Zambales. Since businesses like Elina's involve taking orders and processing transactions whilst prioritizing customer satisfaction and convenience, creating a system for the business is necessary. Having an organized ordering system for a business ensures an efficient accommodation and quality service for the customers. Since this is a transactional system, there will be two access levels: the Admin Access Level and the Customer Access Level.

The Admin Access Level will be open for the business staff. This level can be accessed by logging into the system using the admin account. In this level, customers' orders can be viewed and can be modified whether they are processed already or not. The menu can also be modified in this level, for instance, when a product is unavailable, the staff can change the status of the product from "Available" to "Unavailable". On the other hand, the Customer Access Level will allow the users to input their details that are necessary for order distinction and customer recognition. In this level, the users will also be able to view the menu and place an actual order.

B. Target Beneficiaries

The target beneficiaries of this system are the following:

1. Business Staff and Admins

Since this system will be made specifically for Elina Sweets and Pastries, the process involved in the business transactions will be handled by the system. This will maximize the efficiency of the employees while also making the work more convenient for them.

2. Customers

This system will make it easier for the customers to place their orders and make it convenient for the customers to make an order.

3. Business Owners

This system will be beneficial for the business owners because this will lessen the human errors that may occur during the processing of orders. This will also help the owners monitor the orders of the customers and check whether which of their products are hits or misses.

C. Objective

The main objective of this project is to develop a transaction processing system for Elina Sweets and Pastries that will simplify the ordering and management process for both customers and employees. Specifically, the objectives of this project are the following:

1. To create a user-friendly ordering platform for customers to easily place orders and details.
2. To provide a comprehensive admin panel for business employees to monitor and modify orders, modify admin account details, manage menu items, and track payment status.
3. To ensure that the system effectively handles and stores customer information, order details, and payment status in a secure and efficient database.
4. To improve the efficiency of order processing, enabling the staff to manage and prioritize orders effectively.
5. To enhance overall customer experience by providing a convenient ordering process.

D. Scope

    a. Admin User Level

        i. Register Module
- In this module, the employee will be able to register his/her account onto the system.
- This module is only available for the employees.

        ii. Login Module
- This module will serve as a confirmation of the successful registration of the employee accounts.
- If successful, the system will redirect the user to the Transactions Module.

        iii. Menu Module
- In this module, the user will be able to modify the details of the products being sold/being shown in the Menu and Order Module on the Customer User Level.
- The user will also be able to edit whether a product is "Available" or "Not Available/Out-of-Stock".

        iv. Transaction Module
- This module will allow the user to view the previous transactions of the business.
- In this module, the user will be able to select whether a specific order is "Still Processing", "Already Processed", or "Cancelled".
- Full customer details can also be viewed in this module for order verification.

    b. Customer User Level

        i. Customer Details Module
- In this module, the customer will be asked to input the necessary information for the order to be processed.
- Specifically, the user will input the following:
  - Full Name
  - Contact Number
  - Payment Method

        ii. Menu and Order Module
- In this module, the menu will be displayed, together with the prices.
- This module is 2-in-1 because as the customers are viewing the menu, they will be placing their orders in this module.
- Specifically, the user will input the following:

- ○ Order Items
- ○ Order Quantities
- Then, the total of the orders will be displayed automatically.

iii. Transaction Confirmation Module

- In this module, all the information and details that were input by the customer will be shown for the user to confirm whether there are errors.