

**Ramon, Emmanuel S.**

**BSIT – 3B**

**Proposal Topic :** A Web Based Platform for “Caliraya Lakeside Water Refilling Station ” Online Ordering System with Delivery Management with SMS Notification

*(Problems Encounter)*

*Note: Gathered an Interview for the Specific Client*

However, with the increasing number of customers and deliveries, managing orders, tracking gallons, and organizing deliveries manually has become a challenge. The business relies on handwritten logs for customer information, orders, and delivery schedules. This outdated method results in confusion in delivery assignments, lost gallons, and misplaced customer information, leading to customer dissatisfaction and operational inefficiencies.

*(Possible Solution)*

To address these issues, this capstone project proposes the development of a Web-Based Online Ordering System with Delivery Management and SMS Notification, a solution aimed at automating and streamlining operations, improving customer satisfaction, and minimizing losses.

List of Objectives

- To create a customer database that stores complete customer profiles and delivery history.
- To develop an online ordering system that allows customers and staff to place and track orders.
- To build a delivery management module that assigns deliveries to riders and tracks delivery status.
- To integrate SMS notifications to inform customers about order confirmation, delivery schedules, and successful deliveries.
- To develop a real-time gallon inventory system to monitor gallons in stock, dispatched, and returned.
- To generate reports and logs for orders, deliveries, and inventory for business analysis.

**Who?**

Target Users: The owner, staff, delivery riders, and customers of *Caliraya Lakeside Water Refilling Station*

**What?**

- A *Web-Based Platform* for online ordering, delivery management, and SMS notifications.
- It will *digitize customer records, automate order tracking, manage deliveries, and monitor inventory* to improve operational efficiency.

**When?**

- The system is needed due to the increasing customer base and growing challenges in managing orders manually.

**Where?**

- The system will be implemented at *Caliraya Lakeside Water Refilling Station*.
- Customers will access it *online* via web browsers on computers

**Why?**

- The current manual system using handwritten logs is inefficient, leading to *lost orders, misplaced records, and delivery confusion*.

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**Proposal Topic :** Lumban MPS Visitor's Log Monitoring and Online Pre-Registration System

***(Statement of the Problem)***

Inaccuracy and Data Loss

- Handwritten logs can be illegible, leading to misinterpretation of visitor details.
- Paper-based records are susceptible to being lost, misplaced, or damaged, making it difficult to retrieve past visitor logs.

Security and Unauthorized Access Risks

- Without an automated verification process, unauthorized individuals may gain entry.

***(Possible Solution)***

- Develop a computerized visitor logging system
- Use a digital form where visitors input their name, purpose of visit, and contact details.
- Reduced risk of unauthorized access
- Can monitor the purpose of the visit

**Features :**

- Automated Time Tracking – Monitor how long visitors stay inside the station
- Digital Visitor Registration – Capture visitor details (name, ID, purpose, time-in/out).
- Pre-Registration Option – Visitors can register online before arrival, reducing waiting times.
- Automated Alerts for Overstaying Visitors – Sends notifications when a visitor exceeds their allowed time.
- Live Visitor Dashboard – Displays a real-time list of all active visitors inside the station.
- Visitor Pass Printing – Generates visitor passes with details like name, purpose, and time of visit for added security.

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**Proposal Topic :** A Web-Based Laundry Booking System with Real-Time SMS Notifications

***(Statement of the Problem)***

Laundry is a necessary part of everyday life, but it is often difficult to find the time to drop off and pick up clothes. Customers use old methods such as walk-ins or calling over the phone to schedule laundry services, causing scheduling conflicts, long wait times, and misunderstandings. There is no easy method for customers to track the status of their laundry, frustrating them and not knowing when they will be ready.

Conversely, laundry companies have their own challenges. Manual management of bookings can be time-consuming and subject to errors. In the absence of a streamlined system, tracking orders, reminding customers, and guaranteeing seamless operations becomes challenging. Failure to receive real-time updates results in missed pickups, delays, and dissatisfied customers.

To address such issues, a Web-Based Laundry Booking System with Real-Time SMS Notification is essential. This system will facilitate customers to book services online with ease, get instant notifications through SMS, and monitor their orders in real time. For laundry operators, it will ease record-keeping, enhance efficiency, and minimize errors. Ultimately, the solution will provide customers and service providers with an enhanced smoother, more convenient experience

***(Possible Solution)***

In answer to the demands of the customers and the operators of laundry services, a cutting-edge Web-Based Laundry Booking System with Real-Time SMS Notification will be applied. It will function as a technologically superior, cost-efficient, and friendly scheduling system for requesting laundry services, tracking orders, and improving customer-laundering business interactions Online Booking System. Customers are able to book laundry service conveniently on the web platform by choosing the level of service, desired pickup/drop-off time, and specific instructions.

**Features :**

- User Registration & Login
- Booking System
- Order Tracking & Status Updates
- SMS Notification Integration
- Reports & Analytics