**Business Case Template**

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**Business Case**

**Inventory system and ordering system**

**Company Name**

**Street Address**

**City, State Zip Code**

**Date**

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# Executive Summary

The product is a web-app and a mob-app base for Torrecamps Company. Initially, it served the barangays in Paranaque as a supplier, but by April 2020, they had switched their attention to "pandemic essentials" such facemasks, alcohol, tissues, and gloves. The application will serve as their main medium for processing the customer’s order.

The mobile application for the customer will be limited only to android OS. For customers that go to walk-in's, the admin will process their order using the ordering system that the group develops. Their mode of payment will be limited also to cash on delivery or COD in short.

Currently the client is doing their transactions manually, getting the orders manually, relying on Microsoft excel for its inventory, and no database of their customer and supplier makes it to have a human error of 30% out of 100% when they produce handwritten receipts.

Integrating their current transaction process into the digitalized set up by developing the system for inventory and ordering system that would make it more efficient and transparent way for the customer’s end.

## Issue

The client “Torrecamps Marketing” experienced a rise in sales during the pandemic, and because of that needed to grow their inventory. The problem with this is currently the client mainly uses manual methods for their inventory and for their ordering processes, it leads to slower processes and leads to human error.

## Anticipated Outcomes

The group expects that the implementation of the project would help the company run smoother, with automated inventory and an ordering system that will take and tally orders for them. This will make the company run smoother because this will free up manpower for them to allocate to more important tasks.

## Recommendation

To address these challenges, Torrecamps should invest in an Inventory System and Ordering System that can automate inventory management and ordering processes, streamline workflows, and reduce errors. The new system should be scalable, user-friendly, and provide real-time inventory information to customers.

## Justification

An Inventory System and Ordering System for Torrecamps Company is necessary to automate inventory management, streamline workflows, enhance customer satisfaction, reduce costs, and improve scalability. The new system will provide Torrecamps with a competitive edge, enabling the company to grow its business and enhance its brand reputation in the long run.

# Business Case Analysis Team

Stefano Franco Binay – Executive Summary, Project Overview, Project Description, Project Performance, Project Assumption, Project Constraints, Recommendation, Justification, Project Approval

Ryan Gabriel Candari - Executive Summary, Problem Statement, Organizational Impact, Technology Migration, goals and objectives

Ken Angelo Carangan – Major Project Milestones, Cost Benefit Analysis, Strategic Alignment, Alternative Analysis

Marcus Medina - Project Approval

Jan Terrence Francisco – Executive Summary

# Problem Definition

## Problem Statement

Since 2017, Torrecamps Marketing has been in business and has been selling essentials. They began selling "Pandemic Essentials" including alcohol and tissues during the pandemic. As a result, they gained more customers and stock, began working with other businesses, and expanded their selection of products. Their system remained static while their inventory and client base grew, making it challenging for them to keep up with the increase in orders that needed to be handled.

## Organizational Impact

Having this project developed by the group can have a lot of impact if it's approved. The first one is Torrecamps Marketing. The impact this system will have on Torrecamps Marketing will be that the clients can serve customers more quickly and effectively when it comes to producing printable and digital receipts for every transaction. Next is the impact of this system on the customers. In the customers’ side, the proposed system will now produce printed receipts. This is crucial since printed receipts cannot be changed.

## Technology Migration

Torrecamps Marketing currently uses desktop computers, laptops and printers for their main hardware. They also use Facebook messenger, Microsoft Excel and a 25 MBPS Converge internet provider as their main network. These tools provide a lot of things going for the client. Like facebook they post pictures with prices to advertise them. Next is customers can order their desired items using facebook messenger. And lastly there will be Microsoft Excel. Excel provides the client with a lot of things like listing customer information and listing orders. Next is printing receipts and fixing orders. Lastly there is the inventory and total sales per day.

Now that the group is tasked to create a system that helps the clients. The proposed solution of the team that will be implemented is an inventory and an ordering system. The website will be able to present the items that the client is selling. Then every order of the customer will be recorded into the inventory and the ordering system. The team will use Bootstrap studio, Visual Studio Code and XAMPP to develop the project. The website will intergrate CAMSS. The system will have a cloud-based database server. Next is tye project will have an inventory and ordering system where they can create, edit, or delete all items and information that are needed to change on the website. 3rd will be that the team plans to integrate the system in both desktop and mobile devices. The Facebook part will not be removed since it is used for their advertisement. Lastly the team will continue monitoring the website and install anti-malware software on the computer to ensure their security.

# Project Overview

The Inventory System and Ordering System project is a software solution designed for Torrecamps Company to efficiently manage their inventory and ordering processes. The project aims to improve the overall business process by providing Torrecamps with a comprehensive and reliable system that streamlines inventory management and ordering processes.

## Project Description

This Inventory System and Ordering System project is specifically designed for Torrecamps company, a business that requires a reliable and efficient inventory and ordering management system to organize their operations, reduce costs, and enhance customer service. The project will be customized to meet Torrecamps' specific business requirements and will be developed to ensure seamless integration with their existing business processes.

## Goals and Objectives

The number of clients and the volume of stock increase together with the company's growth. Torrecamps Marketing has assigned the group the duty of developing an inventory system and an ordering system for them since keeping up with the quantity of additional work that comes with growing is not a simple task. This will significantly increase the company's ability to automate its transactional and inventory processes.

## Project Performance

To ensure that the project meets Torrecamps' expectations, the following performance criteria will be used:

* + The system should be able to track inventory levels accurately and provide real-time updates
  + The system should generate inventory reports that are easy to understand and interpret
  + The system should have a clean and intuitive interface that is easy to navigate
  + The system should allow customers to place orders seamlessly and receive real-time inventory information
  + The system should be able to handle a large volume of orders and transactions

## 

## Project Assumptions

The following assumptions will be considered during the project's development:

* + Torrecamps has an existing IT infrastructure that can support the new system
  + Torrecamps' staff members are adequately trained to use the new system
  + The project team has access to all the necessary data and resources required to develop the system

## Project Constraints

The following constraints will be considered during the project's development:

* + The project will be constrained by Torrecamps' budget and timeline
  + The project will be developed to work within Torrecamps' existing business processes and constraints

## Major Project Milestones

|  |  |
| --- | --- |
| Project Start | **08/15/2022** |
| Planning | 08/15/2022 - 11/09/2022 | |
| Analysis and Design | 11/26/2022 - 03/8/2023 | |
| Coding | 03/23/2023 - Present | |
| Beta Testing | 2023 | |
| Project Complete | 2023 | |

# Strategic Alignment

Torrecamps Marketing is currently looking to grow their business in terms of their inventory to keep up with their already growing customer base. The system that they currently have in place has multiple flaws that leads to them needing time to compensate and cover for their mistakes, this is where the group’s project comes in as it automates their transactional tasks and inventory tasks giving them more time and manpower to focus on other tasks that they need to be focusing on in order to improve their company.

# Cost Benefit Analysis

The only expense in the project would be the price for the URL which is usually around Php 2-5k. With this expense a system that could automate the inventory and ordering processes will be given to the client. The system would free up the staff so that they can focus on other aspects of their business, and this will then lead to better sales for the company. While currently they are not paying the 2-5k mentioned before they are losing on possible sales and business by allotting their time to fixing the problems that their current system brings them.

# Alternatives Analysis

After the group communicated with the client, they found out that the client was planning on doing nothing to solve their current problems and that the only reason they wanted an upgrade was because the group went up to them. If they would have chosen not to do anything their current problems would be plaguing them deep into their future as a company.

# Approvals

The completion of the Inventory System and Ordering System project for Torrecamps Company will be authorized solely by the project client, Torrecamps Company. The project will only be considered complete when Torrecamps Company approves the system's functionality and determines that it meets the project goals and objectives. Any changes or modifications to the project scope or timeline must also be approved by Torrecamps Company.

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