**Kalakal: A B2B Wholesale E-Commerce Platform**

**Project Composition**

**Antiquando, Aaron Mark**  - Programmer

**Aquino, Kyle**  - System Analyst

**Dela Cruz, Bia**  - Quality Assurance

**Evangelista, Elisha**  - Documentation

**Muncada, John Paul** - Back-End Developer

**Pepito, Nicail**  - Programmer

**Saguion, Shaina**  - Front-End Developer

**Project Introduction**

This project aimed to develop a B2B Wholesale E-commerce platform to provide an easier process of buying or selling of goods to business. Kalakal will support all processes from inventory to sales both for the vendors and customers. hence, It will lessen the time and effort of transactions. The system is developed using PHP as its main programming language, Codeigniter as its web framework, mySQL for the backend, and Bootstrap as its front-end framework

**Statement of the Problem**

Commerce for small business inside and outside the metro has always been manual, so that Buyers need to physically go to the vendors location to purchase the goods which is not really convenient. The goods are then brought to trucking services for the transportation of goods to the buyer’s business location.

**Proposed Treatment**

With the rising use of the internet as the main tool of communication and connectivity, E-commerce have paved way in creating a new digital economy to almost any industry that relates to goods. Kalakal will be the solution in the problem of manual processes of goods for small businesses. It aims to manage the inventory, sales, delivery and customer support of vendors while also being the portal of transaction of goods for their customers.

**Project Significance**

* Beneficial to both vendors and customers
* Improvement of Business Transaction
* Beneficial to new or starting small business

**Project Objectives**

* Develop an E-commerce CMS platform for wholesalers and consumers for buying and selling of goods
* Develop an integrated POS and Inventory System for each vendor accounts
* Develop a tracking system for the delivery of goods
* Develop Administrative Section for Vendors and Manufacturers
* Develop a data analytics module for the administrator dashboard

**Target Audience**

* **Wholesalers** - The platform will be useful for keeping track of inventory, sales and customers
* **Business Owners** - The platform will be useful for buying wholesale products online.
* **Manufacturers** - The platform will be useful in introducing new products to potential customers
* **Trucking Services** - The platform is useful for keeping track of deliveries and delivery requests.

**Project Scope**

* The platform is only for management of goods provided by the vendors and manufacturers
* The platform will create an online store that will contain all the products registered in the system

**Tools**

* **Project - Management:** Github
* **Repository Link:** https://github.com/kyleaquino/WebDev\_Project.git
* **Client-Side Scripts:** HTML, CSS, Javascript
* **Server-Side Scripts:** PHP, MySQL
* **Frameworks (Client-Side/Server-Side):** Codeigniter, Bootstrap

**Plan of Work**

1. **Communication**

* The system will be brainstormed and deliberated by the development team
* Updates and Modifications will be done after the end of the development cycle
* Prototype will be tested by chosen users and shall deliver necessary reports on the improvement of the system

1. **Planning**

* The planning team composed of System Analyst, Frontend and Backend Developers will be collecting the data necessary to the development of the application and compile it in a more logical manner
* The documentation will take notes of the proposed plan to be submitted to the modelling team

1. **Modelling**

* The Backend and Frontend developers will collect the report the planning team made to implement the fundamental modules of the system

1. **Development**

* The Programmers will connect the modules made by the frontend and Backend Developers to generate a web app prototype for beta testing

1. **Deployment**

* When all requirements is satisfied. The project is now complete and is ready for deployment

**Website Design and Theme**

The web app will be focusing on bootstrap design integrating some google’s material design approach.

**Navigation Structure**

1. **Homepage**
2. **Dashboard**
3. **Orders**
4. **Invoice**
5. **Customer**
6. **Billing**
7. **Reports**
8. **Products**
9. **Store**
10. **Account Settings**

**User and Administrator Sections**

1. **Customer Section**
2. **Global Store**
3. **Vendor Administrator Section**
4. **Vendor Store Section**
5. **Manufacturer Administrator Section**
6. **Manufacturer Store Section**

**W3C Validation Texts**

The system will be basing its frontend on HTML5 Standards while applying Object - Oriented Programming concepts on its backend

**Additional Information (optional)**

The system developed will be requiring that the users must be using the latest version of Google Chrome, Firefox Browser or IE to use the full features of the web application

**Mockups**



