**Project Documentation**

**Project Name: Roll Logistics**

**I. Introduction**

Import and export play a crucial role in the business industry and society, contributing significantly to economic development and overall well-being of nations. **Roll Logistics** is an online platform that involves transportation services, shipping companies, and logistics providers that move any kind of item around the world. The purpose of this website is to help people in sending and receiving different kind of items on their own. Meanwhile, anyone can use and access this website for their own purposes. However, this platform can be very helpful to group of people such as businessmen, people who work in shipping and logistic companies.

This website only includes shipping any kind of items and not people. The online platform has three sections of information that should be filled up. First is the cargo information, the user must identify what kind of item he/she is shipping. Next is the weight of the item, in kilograms. Then, the type of delicacy and what kind of package it is. Second section is the sender and the recipient. The user will choose in what country the item should be picked-up, then chooses the mode of transportation. After that, pick-up address must be filled. Same goes to what country the item should be delivered. The last section is the date. The user must identify the departure and arrival date of the item.

**II. Project Overview**

**Project Objectives**

The objective of this project is to create an accessible website for transporting and shipping any kind of items around the world. This online platform helps people around the world to ship their items into their desired locations. Moreover, this website can significantly benefit businesses to import and export their products in various countries. Therefore, transporting goods and products can contribute to the economic growth of a country.

Additionally, due to the evolution and advancement of technology, many people shifted to online shopping and selling. Consequently, many items are being imported and exported from different countries to meet the demands of people in buying various kind of products. Lastly, the users can also check the information of their bookings.

**Key Features**

The key features used for the website/system are:

1. **User Account** – Sign-up / Log-in
2. **Home Page** – website’s name and user sign-up & log-in
3. **Booking Page** – specific information to be filled out by the user (cargo information, sender & recipient, date)
4. **My Booking Page** – user’s bookings
5. **Services Page** – offers and services.
6. **About Page** – website’s information
7. **Contact Page** – social media information of the website\

**Technologies Used**

**Frontend:** HTML, CSS, JAVASCRIPT, PHP

**Back-end:** SQL

**UI Design:** ?

**III. System Architecture**

Architecture Overview

Components and Modules

Data Flow Diagram

**IV. Site Structure**

1. Home – Rolls Logistic front page
2. Booking – information to be filled-up by the user
3. My Booking – user’s on-going booking
4. About – website information
5. Services - offers
6. Contact – website social media accounts
7. User Account – Create new account or log-in with an existing account

**V.** **Design and Layout**

Color scheme

Typography

Layout

**VI. Content**

Text Content

Images and Media

Content Management System

**VII. Functional Components**

User registration

Search functionality

My bookings

Interactive feature

**VIII. Data Management**

Database structure

Data flow

**IX. System Integration**

Third party APIs

Data exchange and integration

**X. User Experience**

Responsiveness

Cross-Browser Compatibility

Performance Optimization

**XI. Security**

User Authentication

Data Encryption

Protection Against Common Web

Vulnerabilities

**XII. Third-Party Integrations**

Payment Gateways

Social Media Sharing

Analytics Tools

**XIII. Administration**

Admin Panel (if applicable)

User Roles and Permissions

Maintenance and Updates

**XIV. Testing and Quality Assurance**

Testing Methods

Bug Tracking

User Acceptance Testing (if applicable)

**XV. Deployment**

Deployment Process

* The project will undergo testing, including codes, databases, and web codes, to ensure its functionality. Upon successful testing, the project will be ready for deployment. Continuous testing will then be conducted post-deployment to prevent conflicts on the website.

Hosting Information

* PHPMyAdmin

Domain Configuration

Support and Maintenance

* Contacts will provide the support for this website. To maintain the website, we will track the performance of it in terms of user interaction, flexibility, accessibility, etc.

**XVI. Troubleshooting**