SHIPMENT PRICING PREDICTION SYSTEM

Wire Frame Documentation

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Wireframe Documentation for Shipment Pricing Prediction System

Overview

The Shipment Pricing Prediction System is designed to predict the price of a shipment based on various input parameters provided by the user. This documentation outlines the structure and components of the system's user interface, which is built using Flask for the backend and HTML/CSS for the frontend.

Key Components

Home Page (index.html)

Prediction Form

Result Display

Error Handling

User Interface Flow

Home Page

The home page serves as the landing page for the application where users can access the prediction form.

Prediction Form

The prediction form collects input data from the user, such as country, shipment mode, product group, sub-classification, brand, unit of measure, line item quantity, and line item value.

Result Display

After the form is submitted, the predicted price is displayed on the same page.

Error Handling

If an error occurs during the prediction process, an appropriate error message is displayed to the user.

Wireframe Design

Home Page (index.html)

Header

Title: "Shipment Pricing Prediction System"

Form Section

Country Dropdown

Label: "Country"

Input: Dropdown list with options for countries.

Shipment Mode Dropdown

Label: "Shipment Mode"

Input: Dropdown list with options for shipment modes.

Product Group Dropdown

Label: "Product Group"

Input: Dropdown list with options for product groups.

Sub-Classification Dropdown

Label: "Sub Classification"

Input: Dropdown list with options for sub-classifications.

Brand Dropdown

Label: "Brand"

Input: Dropdown list with options for brands.

Unit of Measure Input

Label: "Unit of Measure (Per Pack)"

Input: Text field for numerical input.

Line Item Quantity Input

Label: "Line Item Quantity"

Input: Text field for numerical input.

Line Item Value Input

Label: "Line Item Value"

Input: Text field for numerical input.

Submit Button

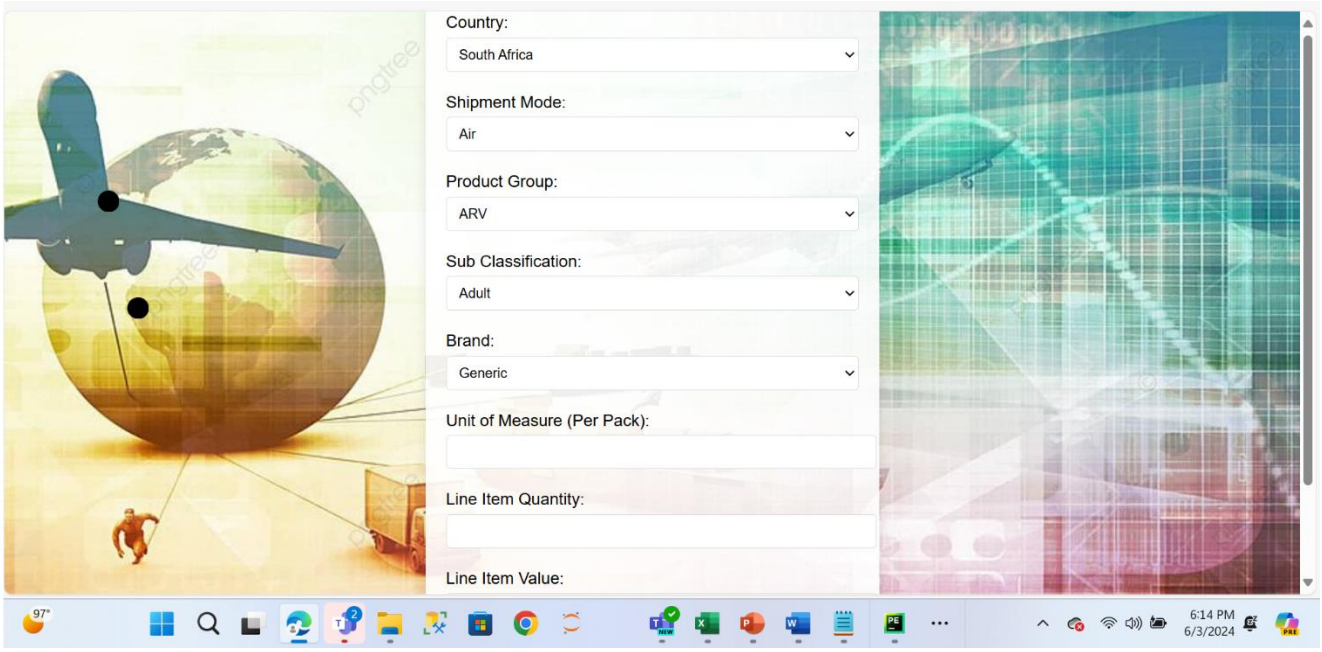
Button to submit the form and trigger the prediction process.

Result Section

Result Display

Area to display the predicted price or error messages.

HTML Template:



Exception Handling Scenarios

Invalid Input:

Display an error message if user inputs are invalid or incomplete.

Example: "Please ensure all fields are filled correctly."

Model Prediction Failure:

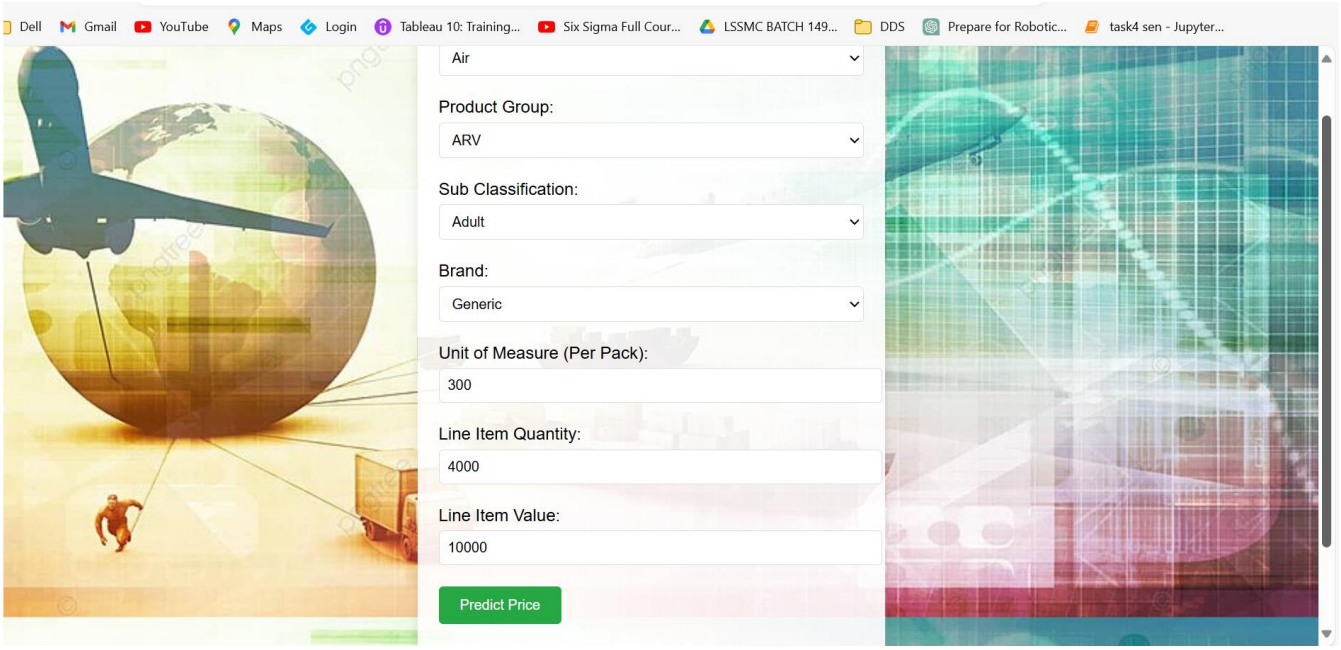
Log the error and display a generic error message to the user.

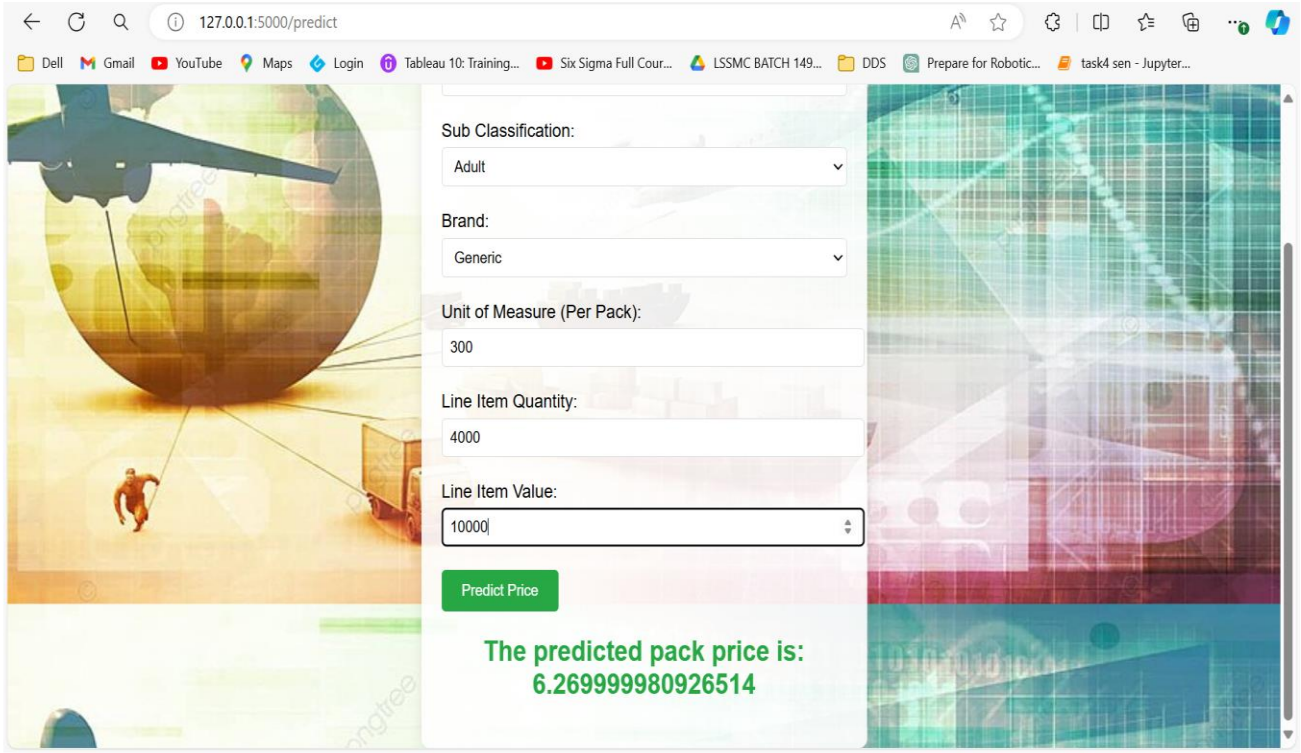
Example: "Error occurred: <specific error>"

Database Connection Failure:

Log the error and display a message indicating the issue to the user.

Example: "Database connection error. Please try again later."





Conclusion

This Wire-frame document provides a comprehensive overview of the Shipment Pricing Prediction System, outlining its components, functionalities, and workflows. The document

serves as a guide for developers and stakeholders to understand and implement the system effectively.