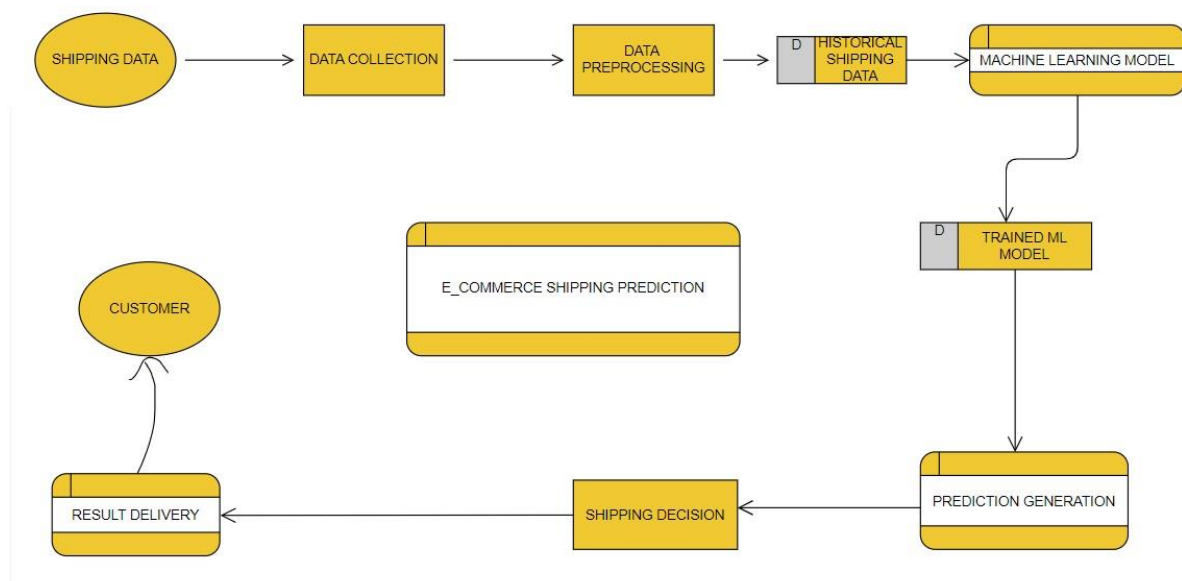


**Project Design Phase-I**  
**Data Flow Diagram(DFD)**

Date	02 November 2023
Team ID	<b>591765</b>
Project Name	Ecommerce Shipping Prediction using Machine Learning.
Maximum Marks	4 Marks

THIS DFD OUTLINES THE KEY COMPONENTS, PROCESSES, AND DATA FLOWS IN YOUR ECOMMERCE SHIPPING PREDICTION SYSTEM. IT SHOWCASES THE INTERACTIONS BETWEEN YOUR SYSTEM, CUSTOMERS, AND THE DATA INVOLVED, PROVIDING AN EFFECTIVE VISUAL REPRESENTATION OF YOUR PROJECT'S DATA FLOW.



## USER STORIES

User Type	Functional Requirement	User Story Number	User Story Task	Acceptance Criteria	Priority	Release
Customer	Get shipping estimate	USN-1	As a customer, I want to get an estimate of the shipping time for my order.	<ol style="list-style-type: none"><li>1. I should be able to input the destination address and order details.</li><li>2. The system should provide an estimated delivery date.</li><li>3. The estimate should consider factors like distance, shipping method, and product availability.</li></ol>	HIGH	SPRINT-1
	Choose shipping method	USN-2	As a customer, I want to choose my preferred shipping method for an order.	<ol style="list-style-type: none"><li>1. The system should display available shipping methods with descriptions. I should be able to select a shipping method and</li></ol>	MEDIUM	SPRINT-1

				<div>2. see the updated shipping estimate. The system should adjust the estimate based</div> <div>3. on my choice.</div>		
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Admin	Upload historical shipping data	USN-3	As an admin, I want to upload historical shipping data to improve predictive accuracy.	<ol style="list-style-type: none"> <li>1. I should be able to upload CSV files containing past shipping data.</li> <li>2. The system should process and store this data for model training.</li> <li>3. A confirmation of successful upload should be provided.</li> </ol>	HIGH	SPRINT-1
Data analyst	View prediction accuracy	USN-4	As a data analyst, I want to view the accuracy of shipping predictions.	<ol style="list-style-type: none"> <li>1. The system should provide a dashboard with prediction accuracy metrics.</li> <li>2. Accuracy metrics should include measures like Mean Absolute Error (MAE) and Root Mean Squared Error (RMSE).</li> <li>3. The data analyst should be able to access this information easily.</li> </ol>	MEDIUM	SPRINT-2
CUSTOMER SUPPORT	PROVIDE SHIPPING UPDATES	USN-5	As a customer support agent, I want to provide shipping updates to customers.	<ol style="list-style-type: none"> <li>1. The system should show the current status of orders, including shipped and estimated delivery date.</li> <li>2. I should be able to access order details for accurate updates.</li> </ol>	HIGH	SPRINT-2

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