Project Design Phase-II
Data Flow Diagram & User Stories

Date	10 November 2023
Team ID	Team-591345
Project Name	Ecommerce Shipping Prediction Using Machine Learning
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example: DFD Level 0 (Industry Standard)

ECOMMERCE SHIPPING PREDICTION - DFD LEVEL 0
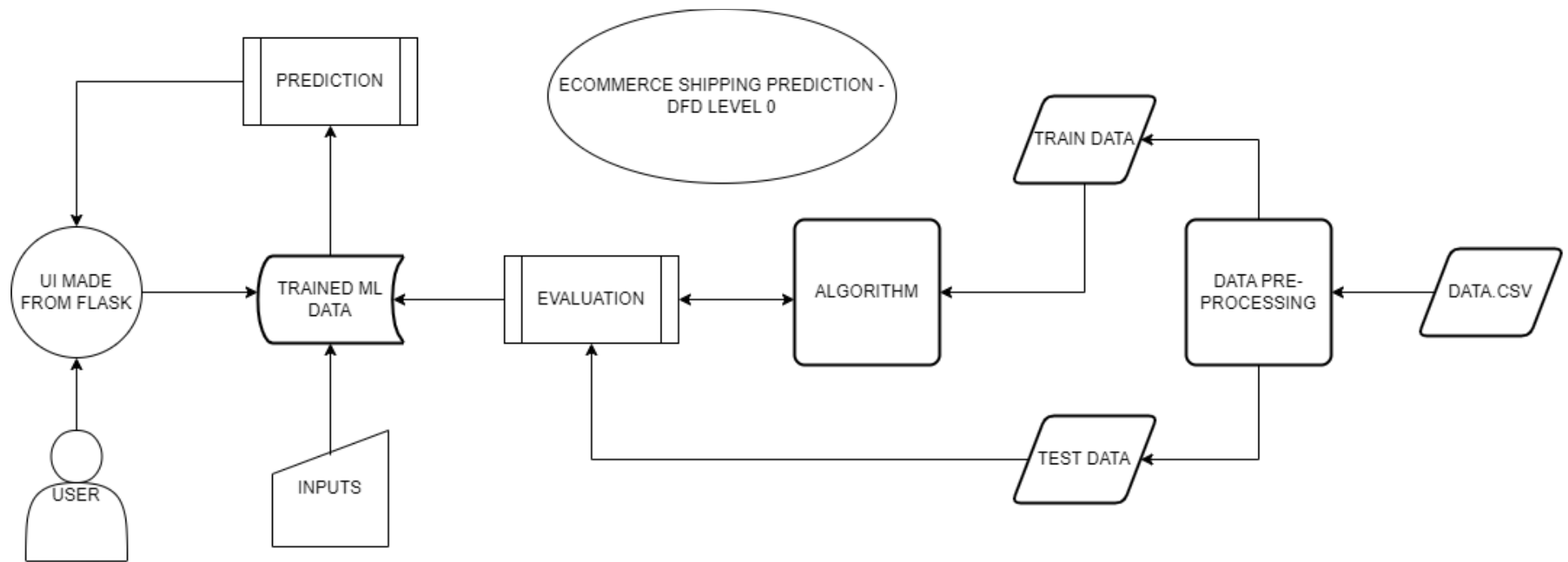
User Stories

Priority: High, Low, Medium

Release: Sprint-1, Sprint-2

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release

Customer (Web user)	Delivery Estimation	USN-1	As an ecommerce customer, I want to receive accurate delivery estimates that take into account factors such as distance, traffic, and weather, so that I can plan my schedule accordingly and avoid missed deliveries.	I have received delivery estimates and pertinent information.	High	Sprint-1
Customer (Web user)	Real-time updates	USN-2	As an ecommerce customer, I want to receive real-time updates on the status of my delivery, including any delays or changes to the estimated delivery time, so that I can stay informed and adjust my plans if necessary.	I'm continuously receiving real-time updates about the delivery through various channels.	Medium	Sprint-2
Customer (Web user)	Customer reviews	USN-3	As an ecommerce customer, I want to be able to rate the delivery experience and provide feedback to the ecommerce business, so that they can improve their service and provide better delivery estimates in the future.	I've had the chance to rate the delivery and share my feedback and suggestions.	High	Sprint-1
Customer (Web user)	Delivery Options	USN-4	As an ecommerce customer, I want to be able to choose from different delivery options (e.g. express, standard, economy) that are accurately priced and estimated, so that I can balance speed and cost according to my needs.	I can choose my preferred delivery method from the different options available on the ecommerce website.	Medium	Sprint-1
Customer (Web user)	Customer updates and support	USN-5	As an ecommerce customer, I want to be able to receive timely updates and support from customer service channels, such as email or chat support, in case of any delivery-related inquiries or issues.	I receive timely updates through customer service channels, and whenever I seek support, it's promptly provided.	Low	Sprint-2
Business Owner	Delivery estimates of business products	USN-6	As an ecommerce business owner, I want to be able to provide accurate delivery estimates to my customers, taking into account factors such as distance, traffic, weather, and other relevant variables, so that my customers can plan their schedules accordingly and have a better overall experience.	The shipping prediction system has provide accurate delivery estimates to the customers of my business based on factors such as distance, traffic, weather,	High	Sprint-1

				and other relevant variables.		
Business Owner	Integration of delivery estimation software	USN-7	As an ecommerce business owner, I want to be able to integrate the shipping prediction system with popular ecommerce platforms such as Shopify or Magento, so that I can automate the process of retrieving order information and providing accurate delivery estimates to my customers.	I could integrate the shipping prediction system with popular ecommerce platforms such as Shopify or Magento to automatically retrieve order information and provide accurate delivery estimates.	Low	Sprint-2
Business Owner	Handling larger volumes of products	USN-8	As an ecommerce business owner, I want to be able to scale the shipping prediction system to handle large volumes of orders and delivery estimates, so that I can provide accurate delivery estimates quickly and efficiently for a high number of orders at the same time.	My business can handle larger volumes of products efficiently due the delivery estimation system.	Medium	Sprint-1
Business Owner	Estimation analytics	USN-9	As an ecommerce business owner, I want to be able to use the reporting and analytics capabilities of the shipping prediction system to track delivery performance and identify areas for improvement, so that I can continuously optimize the system and provide a better overall customer experience.	The shipping prediction system has provided analytics capabilities to track delivery performance and identify areas for improvement, and continuously optimize the system to provide a better experience for my business and its customers.	High	Sprint-1
Administrator		USN-10	As an administrator, I want to be able to manage user accounts and access levels, so that I can control who has access to sensitive	The system has provided me user-friendly interface for managing user accounts and access	Medium	Sprint-1

			information and ensure the security of the system.	levels, implement appropriate security measures such as encryption and access controls, and prevent unauthorized access to sensitive information.		
Administrator		USN-11	As an administrator, I want to be able to monitor system performance and identify any issues or errors, so that I can ensure the system is running smoothly and address any problems quickly.	The system has provided me with real-time monitoring of system performance, send alerts when performance metrics fall below acceptable levels or when errors occur, and provide detailed logs and error reports to help diagnose and troubleshoot issues.	Medium	Sprint-1
Administrator		USN-12	As an administrator, I want to be able to customize the system settings and configurations, so that I can tailor the system to meet the specific needs of my ecommerce business.	I have been able to customize settings such as delivery options and pricing models, ensure that any changes made are reflected accurately in the shipping prediction system, and provide appropriate feedback to confirm that changes have been saved.	Medium	Sprint-2
Customer Care Executive		USN-13	As a customer care executive, I need the system to provide access to customer reviews and ratings, so that I can understand customer feedback and address any issues or concerns.	The system has provided me access to customer reviews and ratings and allows me to respond to them.	High	Sprint-1

Customer Care Executive		USN-14	As a customer care executive, I need the system to provide contact information for customers, so that I can reach out to them if necessary to address any issues or concerns.	The system has provided me contact information for customers, including email addresses and phone numbers.	High	Sprint-1
Customer Care Executive		USN-15	As a customer care executive, I need the system to provide a way to track customer interactions and feedback, so that I can monitor customer satisfaction and identify areas for improvement.	The system has given me a way to track customer interactions and feedback, including customer inquiries and complaints.	Medium	Sprint-2