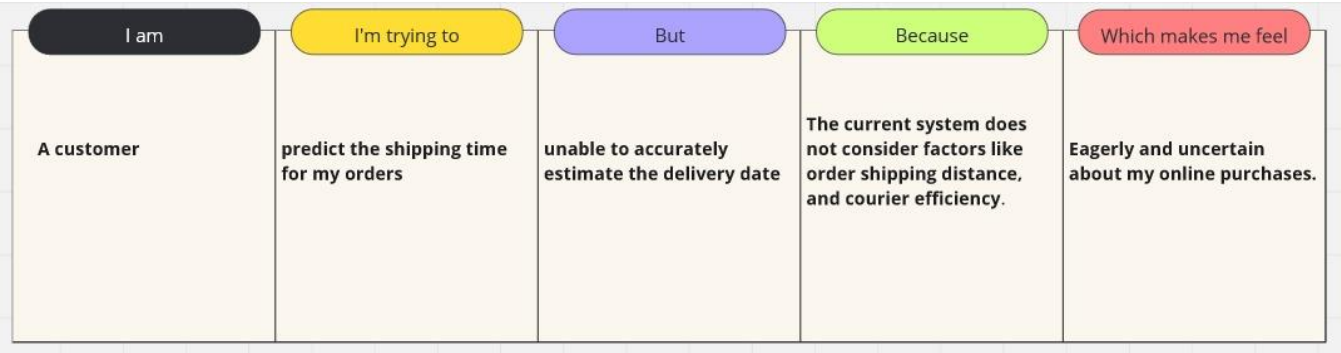
Project Initialization and Planning Phase

Date	9 July 2024
Team ID	**SWTID1720115788**
Project Name	**Ecommerce Shipping Prediction Using Machine Learning**
Maximum Marks	3 Marks

Define Problem Statements :

Customer satisfaction in e-commerce is highly influenced by the on-time delivery factor. Delivery time estimation, on the other hand, is a really challenging task due to the abundance of weather, traffic, and other logistic complexity factors that are unpredictable. Our project is mainly centered on developing a robust machine learning-based prediction system for delivery time in e-commerce logistics after considering these challenges. Such a system, integrated with ecommerce platforms, interrogation of historical data, and real-time updates, shall be used to provide customers with accurate and reliable delivery estimates. Herein, we are trying to enhance the complete customer experience by reducing uncertainties around delivery and optimizing the logistical operation for scalability and efficiency using machine learning models.



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	I am a shopper eagerly waiting for my online purchases to arrive.	I'm trying to anticipate when my orders will be delivered so I can plan accordingly	The estimated delivery times often change or are not accurate.	Because there are numerous factors like weather, traffic, and logistics issues that affect delivery schedules.	Which makes me feel anxious and uncertain about when I'll receive my purchases.