

## Project Initialization and Planning Phase

Date	03-10-2024
Team ID	LTVIP2024TMID24897
Project Name	Flight Delays Prediction using ML
Maximum Marks	3 Marks

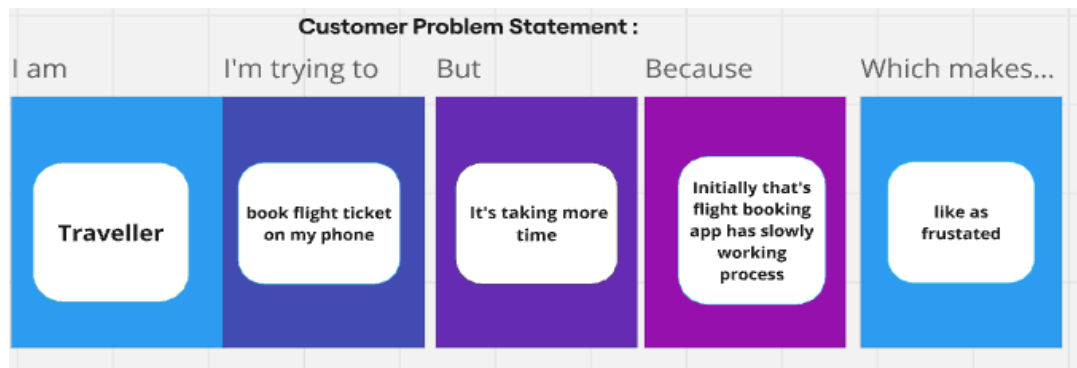
### Define Problem Statements (Customer Problem Statement Template):

Flight delays are quite frequent (19% of the US domestic flights arrive more than 15 minutes late), and are a major source of frustration and cost for the passengers. As we will see, some flights are more frequently delayed than others, and there is an interest in providing this information to travellers.

Flight prediction is crucial during the decision-making process for all players of commercial aviation. Moreover, the development of accurate prediction models for flight delays became cumbersome due to the complexity of air transportation system, the number of methods for prediction, and the deluge of flight data. Based on data, we would like to analyse what are the major cause for flight delays and assign a probability on whether a particular flight will be delayed.

Reference: <https://miro.com/templates/customer-problem-statement/>

### Example:



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A Travaller	Booking tickets in airport	So many travellers are in forming line	Delay for my flight booking process	Sad and angry about booking process

PS-2	Pilot	Departing the flight	15 minutes late	High winds and suddenly thunderstorms. That's why, the flight is landed on below airport	I was listening to approach control, and it was pretty clear there was a backup in traffic due to weather.
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