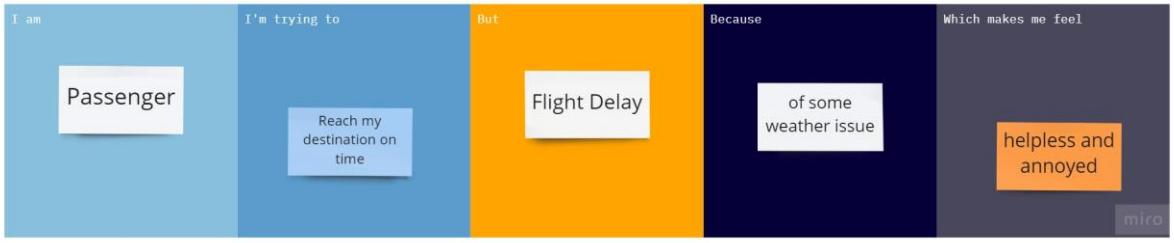
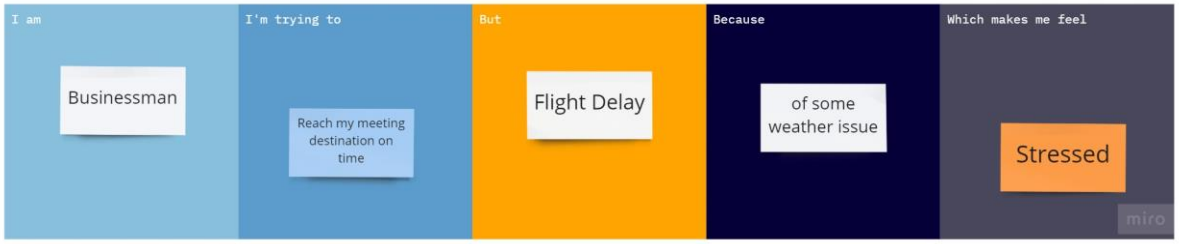
Ideation Phase
Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID53082
Project Name	Flight Delay Prediction
Maximum Marks	2 Marks

Customer Problem Statement:

Air travel has become widely common and preferred among travellers over the years due to its comfort and the time of travel. This has in a way led to a lot of air traffic and on ground and hence resulting in massive levels of aircraft delays in the air and on ground. The delays are a cause of environmental and economic losses. The proposed model helps to predict flight delay to optimize flight operations and minimize delays in a most accurate manner. Machine Learning models can be used to do this. A decision tree classifier can be used to predict if the flight arrival will be delayed or not depending on an input vector. Furthermore, we can compare the decision tree classifier with logistic regression and a simple neural network for various figures of merit.





Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Passenger	Reach my destination on time	There is flight delay	Of some weather situation	Helpless and annoyed
PS-2	Businessman	Reach my meeting location on time	Flight delay	Weather issues	stressed