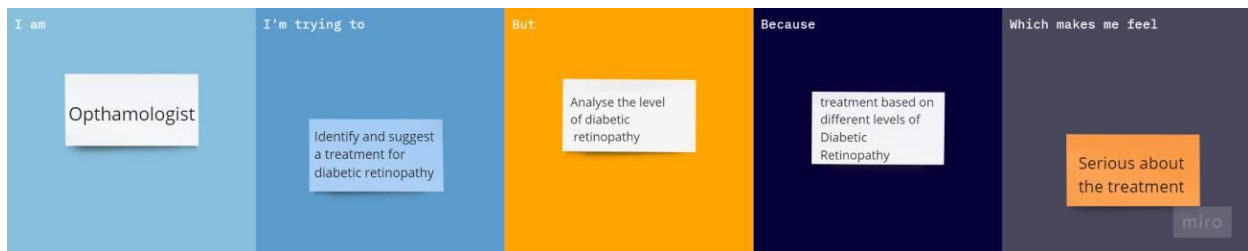


Ideation Phase

Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID41433
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
Maximum Marks	2 Marks

Customer Problem Statement Template:



Problem Statement:

Given a image of left and right eye of the patient, the main aim of the project is to classify the eye status among one of the following classes 0 - No DR, 1 - Mild, 2 - Moderate, 3 - Severe, 4 - Proliferative DR. So my task is to create an automated analysis system capable of assigning a score based on the above scale.

The detection of this DR in early stages manually is a difficult task. Since a Deep learning techniques are used for early detection of diabetic retinopathy.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Physician	Detect and diagnose condition of an eye	Analysing, prediction , detection is manually difficult	Difficulty in predicting accuracy and contains many stages	complex
PS-2	Ophthalmologist	Identify and suggest a treatment for diabetic retinopathy	Analyse the level of diabetic retinopathy	Treatment based on different levels of Diabetic Retinopathy	Serious about the treatment