

Ideation Phase

Define the Problem Statements

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| Date | 19 October 2022 |
| Team ID | PNT2022TMID18834 |
| Project Name | Statistical Machine Learning Approaches to Liver Disease Prediction |
| Maximum Marks | 2 Marks |

Customer Problem Statement Template:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

| | | |
|----------------------------|--|---|
| I am | Describe customer with 3-4 key characteristics - who are they? | Describe the customer and their attributes here |
| I'm trying to | List their outcome or "job" the care about - what are they trying to achieve? | List the thing they are trying to achieve here |
| but | Describe what problems or barriers stand in the way - what bothers them most? | Describe the problems or barriers that get in the way here |
| because | Enter the "root cause" of why the problem or barrier exists - what needs to be solved? | Describe the reason the problems or barriers exist |
| which makes me feel | Describe the emotions from the customer's point of view - how does it impact them emotionally? | Describe the emotions the result from experiencing the problems or barriers |

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 | The affected person feel | Try to open any web | But on the time | They feel very sad go | Thus the customers need to go to hospital |

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| | sum symptoms, they are jaundice, abdominal pain, itchy skin and etc., they are our customer | application in liver disease prediction | blood test report is not available for customer | to check the blood test and get report | for checkup and check in internet any other predictor |
| PS-2 | Those person are already affected then check for any improvement | Try to checkup for any improvement in web application | The prediction result is not accurate | The web application are using few machine learning algorithms | To overcome the problem we want to use better algorithm predict accurate result in mobile phones at home itself. |