

Ideation Phase

Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMI37730
Project Name	Project - Efficient Water Quality Analysis And Prediction Using Machine Learning
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	<small>Describe customer with 3-4 key characteristics - who are they?</small>	Describe the customer and their attributes here
I'm trying to	<small>List their outcome or "job" the care about - what are they trying to achieve?</small>	List the thing they are trying to achieve here
but	<small>Describe what problems or barriers stand in the way - what bothers them most?</small>	Describe the problems or barriers that get in the way here
because	<small>Enter the "root cause" of why the problem or barrier exists - what needs to be solved?</small>	Describe the reason the problems or barriers exist
which makes me feel	<small>Describe the emotions from the customer's point of view - how does it impact them emotionally?</small>	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	Home Maker	Assessing and Protecting water Quality in Home	chemical risks in drinking water arise from arsenic, fluoride or nitrate	Water pollutants may cause disease or act as poisons	can lead to deadly diarrheal diseases, including cholera and typhoid fever
PS-2	A Farmer	Producing a variety of food products for human and animal consumption	Farms discharge large quantities of agrochemicals, organic matter into water bodies.	Major agricultural contributors needs pesticides and chemical product to protect crops	pollution of waterways and groundwater.