

Project Initialization and Planning Phase

Date	15 March 2024
Team ID	SWUID20240034617
Project Name	CovidVision : Advanced COVID-19 Detection for Lung X-rays with Deep Learning
Maximum Marks	3 Marks

Define Problem Statements (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 your customers' challenges. 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 user needs - 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 problems or barriers exist - 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:

Customer Problem Statement Template				
I am A patient living in a remote or resource-limited area.	I'm trying to • Get a reliable and fast diagnosis for COVID-19 without having to travel long distances.	But There are limited healthcare facilities and diagnostic tools available nearby.	Because The infrastructure in my area is not equipped to handle the high demand for COVID-19 testing and diagnosis.	Which makes me feel Isolated, worried about my health, and frustrated by the lack of accessible healthcare services.

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A patient suspecting I might have COVID-19.	Get a quick and accurate diagnosis.	Current diagnostic methods are slow and often require multiple tests	RT-PCR tests have high false negative rates, and healthcare systems are overburdened.	Anxious, uncertain, and stressed about my health and the potential spread to others.
PS-2	A high-risk individual	Ensure I receive timely and precise COVID-19 diagnosis and care.	Access to rapid diagnostic tools is limited, especially in remote area.	Healthcare resources are strained, and diagnostic processes are not streamlined.	Vulnerable, fearful for my health, and frustrated by the lack of efficient solutions.