

Project Initialization and Planning Phase

Date	4 July 2024
Team ID	SWTID1720076593
Project Name	Visual Diagnostics: Detecting Tomato Plant Diseases Through Leaf Image Analysis
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 core need - 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 do they have trouble?	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:

I am a traveler	I'm trying to book flights on my phone	but it takes a long time	because the website is not responsive and doesn't have a mobile version	which makes me feel Frustrated
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Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Tomato farmer	Efficiently identify and treat diseases in my tomato plants by analyzing leaf images	The current methods are time-consuming, often inaccurate, and require expert knowledge	I lack easy get admission to agricultural experts and diagnostic gear	Frustrated and involved about capacity crop losses
PS-2	Tomato farmer	Efficaciously become aware of and deal with illnesses in my tomato flora by way of reading leaf images	Existing diagnostic techniques aren't consumer-pleasant and require sizable manual attempt	I do now not have the know-how or assets to diagnose sicknesses efficiently	Overwhelmed and demanding about the fitness of my plants