

## 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):

Farmers, especially those in rural and under-resourced areas, face significant challenges in diagnosing tomato plant diseases accurately and promptly. Lack of access to agricultural experts and resources further exacerbates the issue, leading to reduced crop yields and financial losses.

<b>I am</b>	Describe customer with 3-4 key characteristics - who are they?	Describe the customer and their attributes here
<b>I'm trying to</b>	List their outcome or "job" the customer - what are they trying to achieve?	List the thing they are trying to achieve here
<b>but</b>	Describe what problems or barriers stand in the way - what bothers them most?	Describe the problems or barriers that get in the way here
<b>because</b>	Enter the "root cause" of why the problems or barriers exist - what needs to be solved?	Describe the reason the problems or barriers exist
<b>which makes me feel</b>	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:

<b>I am</b>	<b>I'm trying to</b>	<b>but</b>	<b>because</b>	<b>which makes me feel</b>
a traveler	book flights on my phone	it takes a long time	the website is not responsive and doesn't have a mobile version	Frustrated

<b>Problem Statement (PS)</b>	<b>I am (Customer )</b>	<b>I'm trying to</b>	<b>But</b>	<b>Because</b>	<b>Which makes me feel</b>
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