

Ideation Phase

Define the Problem Statements

Date	15 June 2025
Team ID	LTVIP2025TMID43877
Project Name	GrainPalette A Deep Learning Odyssey In Rice Type Classification Through Transfer 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 core 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:**

<small>I am</small> a traveler	<small>I'm trying to</small> book flights on my phone	<small>but</small> it takes a long time	<small>Because</small> The website is not responsive and doesn't have a mobile version	<small>Which makes me feel</small> Frustrated
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GrainPalette

Customer Problem Statement Template

I am	I'm trying to	But	Because	Which makes me feel
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A small-scale rice farmer	Identify the exact rice variety I'm cultivating	I can't afford to hire agricultural experts	their fees are too high for my limited budget	anxious about wasting water, fertilizer, and time
A home gardener	grow rice efficiently in my backyard	I don't know which practices suit my rice type	online guides are generic and unhelpful	frustrated and unsure of my harvest
An agriculture scientist	compile data on regional rice diversity at scale	manual classification is slow and error-prone	field teams lack tools for rapid analysis	overwhelmed by inefficiencies