

Ideation Phase

Define the Problem Statements

Date	5 March 2025
Team ID	PNT2025TMID00864
Project Name	GrainPalette A Deep Learning Odyssey In Rice Type Classification Through Transfer Learning
Maximum Marks	2 Marks

Customer Problem Statement Template:

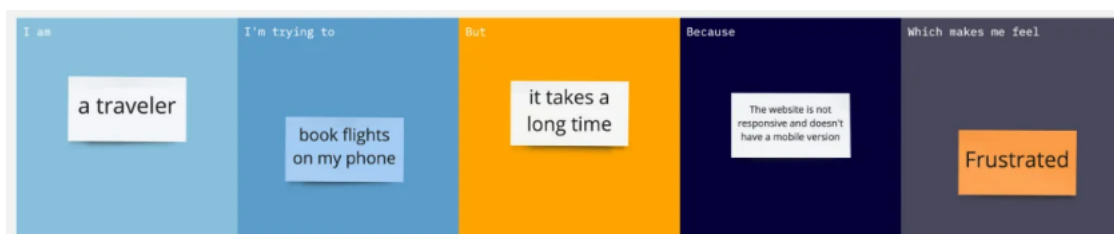
Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

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	Describe customer with 3-4 key characteristics - <i>who are they?</i>	Describe the customer and their attributes here
I'm trying to	List their outcome or "job" the care about - <i>what are they trying to achieve?</i>	List the thing they are trying to achieve here
but	Describe what problems or barriers stand in the way – <i>what bothers them most?</i>	Describe the problems or barriers that get in the way here
because	Enter the "root cause" of why the problem or barrier exists – <i>what needs to be solved?</i>	Describe the reason the problems or barriers exist
which makes me feel	Describe the emotions from the customer's point of view – <i>how does it impact them emotionally?</i>	Describe the emotions the result from experiencing the problems or barriers

Reference: <https://miro.com/templates/customer-problem-statement/>

Example:



GrainPalette

Customer Problem Statement Template

I am I'm trying to But Because Which makes me feel

I am

I'm trying to

But

Because

Which makes me feel

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

collect data on regional rice diversity at scale

manual classification is slow and error-prone

field teams lack tools for rapid analysis

overwhelmed by inefficiencies