

Ideation Phase

Define the Problem Statements

Team ID	LTVIP2025TMID38181
Project Name	Enchanted Wings :Marvels Of butterfly Species
Maximum Marks	2 Marks

Customer Problem Statement Template:

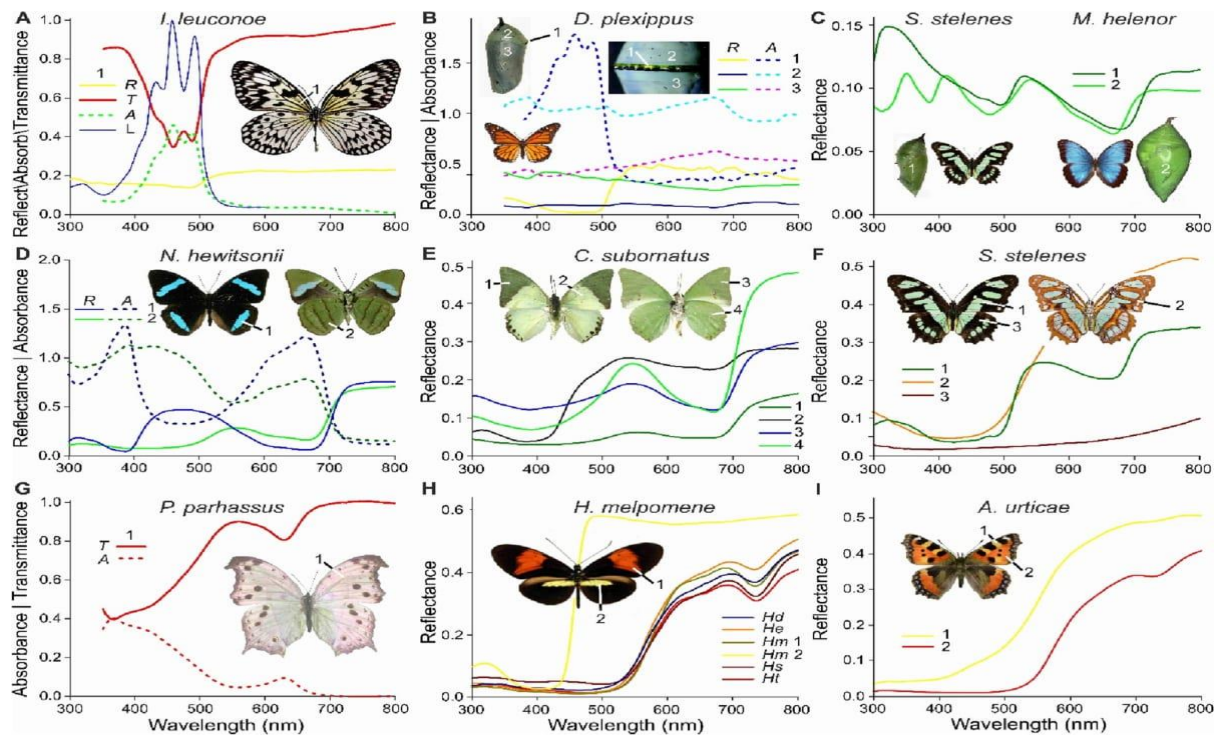
Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

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.

Prompt	Description
I am	A wildlife researcher, biology student, or citizen scientist with a passion for butterfly species and biodiversity. I often work in the field, forests, or open habitats collecting data and observing butterflies.
I'm trying to	Identify butterfly species accurately and quickly using images I take during field studies .I want to improve biodiversity records, contribute to conservation efforts, and gather accurate data for research.
But	I struggle to differentiate between visually similar species. Traditional field guides are hard to carry and slow to use. Many butterflies are not listed or have subtle differences not easily visible.
Because	I don't have instant expert knowledge or access to an updated classification system in the field. Manual identification takes time and expertise, which I may not always have. Real-time classification tools are either unavailable or not user-friendly.
Which makes me feel	Frustrated, uncertain, and discouraged, especially when I misidentify a species or miss valuable data. I feel like my contributions are less meaningful or reliable. I want to feel empowered, confident, and involved in conservation through technology.

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

Example:



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A field researcher or biodiversity enthusiast.	Identify butterfly species instantly during outdoor research.	I can't tell species it is with certainty.	I don't have expert-level real-time tools Available in field.	Frustrated, uncertain, and less effective.
PS-2	A student or educator in environmental science or biology.	Use a simple and interactive tool to teach or learn about butterfly species.	Most tools are either too complex or don't support visual, real-time learning.	There lack of engaging, AI-powered education resources for butterfly identification.	Disconnected, confused, and disinterested.