Project Initialization and Planning Phase

Date	08 July 2024
Team ID	SWTID1720201335
Project Name	Rice Type Classification Using CNN
Maximum Marks	3 Marks

Defining Problem Statements:

Problem Statement 1:

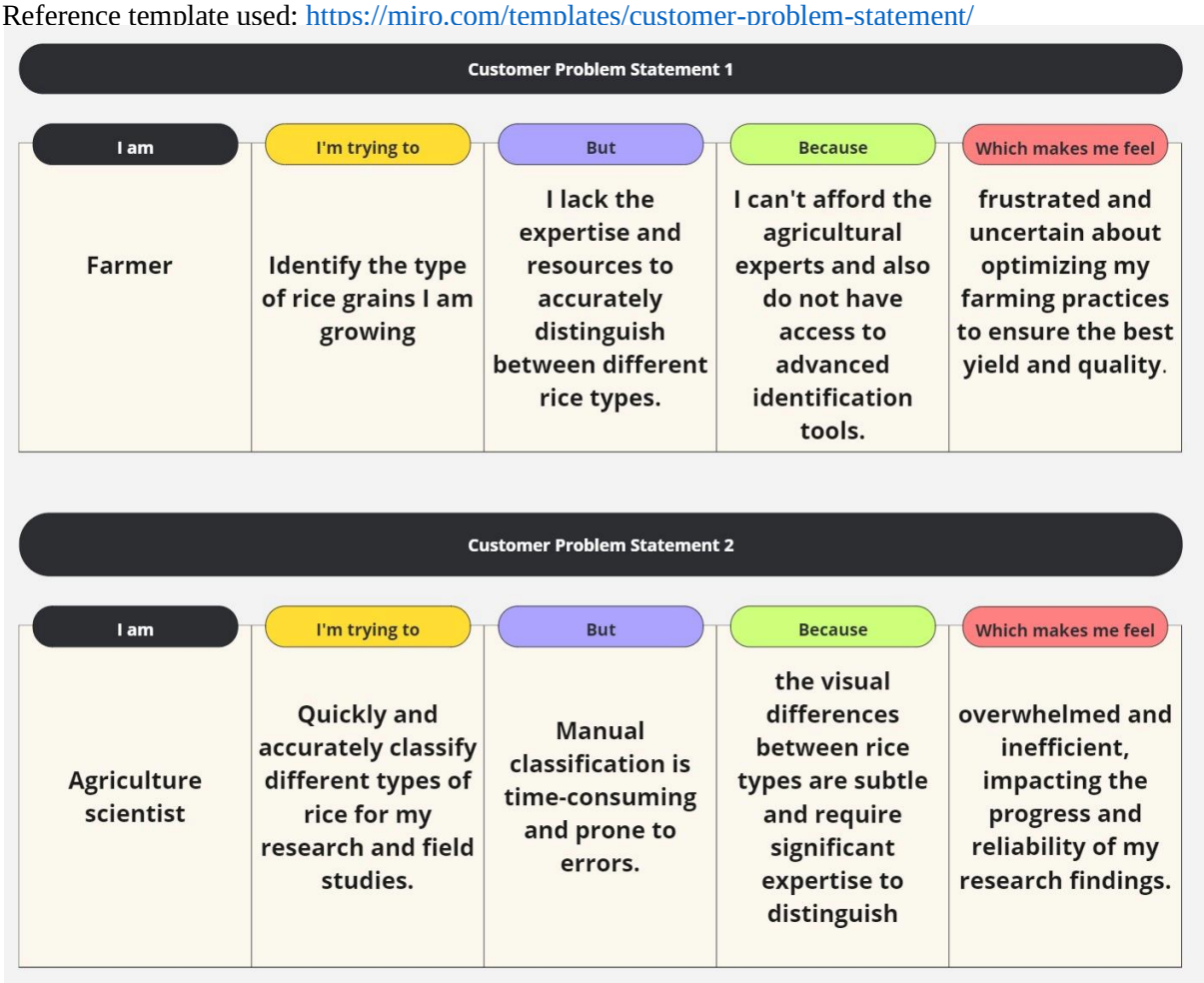
I am	A farmer	I involve in cultivating and managing rice crops, which requires precise knowledge about the specific type of rice you are growing to provide the appropriate care and resources.
I'm trying to	Identify the type of rice grains I am growing	My goal is to accurately identify the rice type to apply the correct amount of water, manure, and other resources, ensuring optimal growth and yield.
But	I lack the expertise and resources to accurately distinguish between different rice types.	I face a significant barrier due to a lack of specialized knowledge and tools required for precise identification, which are essential for proper crop management.
Because	I cannot afford the high fees of agricultural experts and do not have access to advanced identification tools.	The cost of hiring agricultural experts and acquiring advanced tools is prohibitive, limiting to get the necessary assistance and technology.
Which makes me feel	Frustrated and uncertain about optimizing my farming practices to ensure the best yield and quality.	The inability to accurately identify rice types leaves feeling frustrated and unsure about my farming practices.

Problem Statement 2:

I am	An agricultural scientist	As an agriculture scientist, I am engaged in research and field studies to advance knowledge and practices in the agricultural domain, requiring precise and accurate data.

I’m trying to	quickly and accurately classify different types of rice for my research and field studies.	I aim to efficiently classify rice types to gather accurate data and insights, which are crucial for your research and studies
But	manual classification is time-consuming and prone to errors.	The process of manually classifying rice types is slow and susceptible to mistakes, which can compromise the quality and reliability of your research data.
Because	the visual differences between rice types are subtle and require significant expertise to distinguish.	The subtle visual distinctions between rice types demand a high level of expertise, making it difficult to achieve accurate classification without extensive training and experience.
Which makes me feel	overwhelmed and inefficient, impacting the progress and reliability of my research findings.	The inefficiency and potential for errors in manual classification leave you feeling overwhelmed and hinder the progress and dependability of your research outcomes.

Reference template used: https://miro.com/templates/customer-problem-statement/



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Farmer	Identify types of grains	I lack expertise and resources	I can't afford experts or advanced tools	Frustrated and uncertain about enhancing farming practices to get best yield quality
PS-2	Agriculture scientist	Classify different types of rice for my research	Manual classification is time consuming and prone to errors	The visual differences of rice are subtle	Inefficient in my research work as hinders my progress