

Project Initialization and Planning Phase

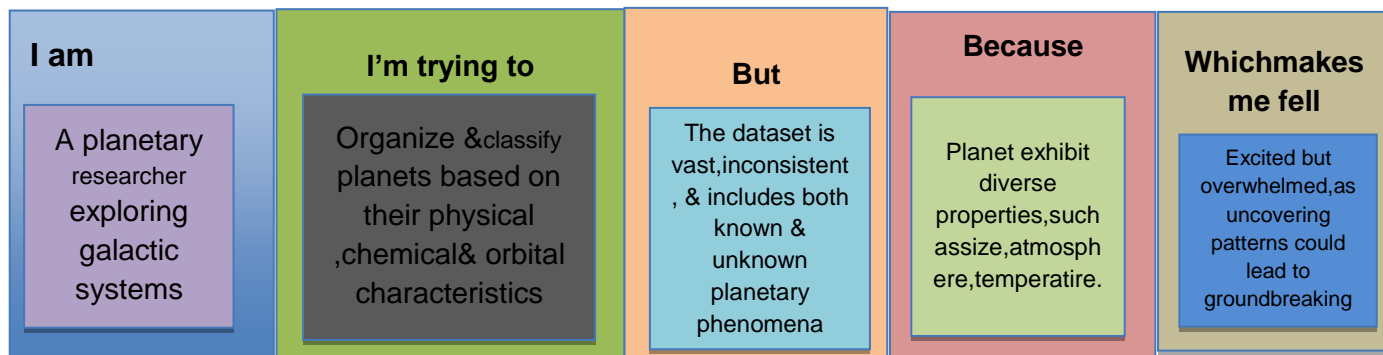
Date	17 July 2025
Team ID	739816
Project Name	Galactic Gazetteer: A comprehensive Dataset of Planet Classification Images.
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

The Galactic Gazetteer aims to create a comprehensive dataset of classified galaxy images, enabling astronomers and researchers to better understand the diversity of galaxy morphologies, properties, and behaviors. However, currently, there is a lack of standardized and accurately labeled galaxy image datasets, hindering the development of machine learning models and limiting our understanding of the universe.

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
The vast and diverse nature of planetary data across the galaxy poses significant challenges in creating a standardized and accessible classification system. Researchers and enthusiasts often encounter difficulties due to inconsistent data formats, varying nomenclature conventions, and the sheer volume of information. This complexity hampers efficient data analysis, comparison, and meaningful insights into planetary characteristics and behaviors.	A space researcher or enthusiast seeking reliable and standardized planetary data.	Access, analyze, and compare detailed classifications of planets across different star systems.	The available data is fragmented, lacks standardization, and is often incomplete or outdated.	Planetary data is collected from diverse sources with varying methodologies and nomenclature standards.	Frustrated and hindered in conducting thorough research or satisfying my curiosity about planetary systems.
The integration of diverse planetary data from various sources is hindered by inconsistencies in data formats, nomenclature, and observational methodologies. This lack of standardization complicates the aggregation and analysis of planetary characteristics, impeding the development of a cohesive and accessible classification system.	A planetary scientist aiming to analyze and compare planetary data across different star systems.	Develop a unified classification system that accurately reflects the diversity of planetary bodies.	The data is fragmented, with varying formats and terminologies that are difficult to reconcile.	Different research groups and missions employ distinct data collection and reporting standards.	Frustrated by the inefficiencies in data integration and concerned about the potential for inaccuracies in classification.