

Initial Project Planning Template

Date	15 July 2024
Team ID	740087
Project Name	SpaceX Falcon 9 First Stage Landing Success Predictor
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create a product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	Data Collection and Preprocessing	USN-1	As a developer, I can collect and preprocess SpaceX Falcon 9 launch data for model training.	3	High	Mahesh	15/06/2024	17/06/2024
Sprint-1	Exploratory Data Analysis (EDA)	USN-2	As a data analyst, I can perform EDA on Falcon 9 landing data to understand patterns and correlations	3	Medium	Mahesh	17/06/2024	20/06/2024

Sprint-1	Feature Engineering	USN-3	As a data analyst, I can engineer features from the Falcon 9 launch data for better predictive performance.	3	Medium	Akhila	20/06/2024	22/06/2024
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Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members	Sprint Start Date	Sprint End Date (Planned)
.Sprint-2	Model Development	USN-3	As a developer, I can develop a machine learning model to predict Falcon 9 first stage landing success.	5	High	Akhila	22/06/2024	25/06/2024
Sprint-2	Model Evaluation	USN-4	As a developer, I can evaluate the accuracy and performance of the developed model.	3	Medium	Chandu	30/06/2024	03/07/2024
Sprint-3	Web Interface	USN-5	As a user, I can interact with a web interface to input launch parameters and get landing success prediction.	2	High	Chandu	03/07/2024	05/07/2024
Sprint-4	Deployment and Testing	USN-6	As a developer, I can deploy the predictor as a Flask web application and conduct comprehensive testing.	3	High	Adithya	07/07/2024	09/07/2024