

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	20 nov 2023
Team ID	592013
Project Name	Online Payments Fraud Detection Using ML
Maximum Marks	5 Marks

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

Sprint	Functional Requirement	User Story Number	User Story/Task	Story points	Priority	Team Members
Sprint 1	Project setup & Infrastructure	USN-1	Set up the development environment with the required tools and frameworks to start the car purchase prediction.	5	High	Hasitha
Sprint 1	Development environment	USN-2	Gather a diverse dataset of data for training the machine learning model.	5	High	Suraj
Sprint 2	Data collection	USN-3	Preprocess the collected dataset by cleaning the data, label encoding and splitting it into training and validation sets.	5	High	Jaswanth
Sprint 2	Data preprocessing	USN-4	Explore and evaluate different machine learning architectures (e.g., Linear regression) to select the most suitable model for car purchase prediction.	5	High	Suraj
Sprint 3	Model development	USN-5	Train the selected machine learning model using the preprocessed dataset and monitor its performance on the validation set.	10	High	Jaswanth
Sprint 3	Training	USN-6	Implement data augmentation techniques (e.g., rotation, flipping) to improve the model's robustness and accuracy.	5	Medium	Hasitha
Sprint 4	Model Deployment & Integration	USN-7	Deploy the trained machine learning model as an API or web service to make it accessible for car purchase prediction. Integrate the model's API into a user-friendly web interface for users to	10	Medium	Jaswanth

			input their data and check for the car purchase prediction results.			
Sprint 5	Testing & quality assurance	USN-8	Conduct thorough testing of the model and web interface to identify and report any issues or bugs. Fine-tune the model hyperparameters and optimize its performance based on user feedback and testing results	5	Medium	Suraj

Project Tracker, Velocity & Burndown Chart: (4 Marks):

Sprint	Total Story points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	1 day	12 nov 2023	12 nov 2023	55	17 nov 2023
Sprint-2	10	1 day	13 nov 2023	13 nov 2023		
Sprint-3	15	4 days	14 nov 2023	19 Nov 2023		
Sprint-4	10	2 days	19Nov 2023	21 Nov 2023		
Sprint-5	10	1day	21 Nov 2023	22 Nov 2023		

Velocity:

$$AV = 55/10 = 5.5$$

Burndown chart:

