Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID02178
Project Name	Car Resale Value Prediction
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Kripesh Teja
Sprint-3	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	Medium	Logeshwaran
Sprint-1	Login	USN-3	As a user, I can login into the application by entering email & password	2	High	Kavirakesh
Sprint-3	Dashboard	USN-4	As a user, I can see my past records and activities	1	Medium	Logeshwaran
Sprint-2	Entry form	USN-5	As a user, I must enter my car details	2	High	Krithiga
Sprint-2	Results	USN-6	After processing, as a user I will be able to use the predicted price for my car	2	High	Kripesh Teja
Sprint-2	Train the model	USN-7	As an administrator, I must use the most suitable ML model for the prediction for resale price	2	Hight	Kavirakesh
Sprint-4	Feedback	USN-8	As a user, I will be filling the feedback form	1	Low	Krithiga

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart:

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.