Project Planning Phase

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

Date	08 November 2022
Team ID	PNT2022TMID45350
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.	10	High	Sivaguru, Rajeshkanth
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	10	High	Suresh, Rajeshkanth
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	8	Medium	Sivaguru, Rajeshkanth
Sprint-2	Dataset	USN-4	Collect dataset, Import required libraries, Test and Train data.	10	High	Shamsheer ahamed, Sivaguru
Sprint-2	Algorithm	USN-5	Apply Regression algorithm and got the data (.pkl file).	10	High	Suresh, Shamsheer ahamed
Sprint-3	Dashboard	USN-6	HTML page contains Login, Details to be entered to predict the car price and a customer support.	10	High	Shamsheer ahamed, Rajeshkanth
Sprint-4	Building application	USN-7	Build python flask application	10	High	Suresh, Shamsheer ahamed

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	3 Days	08 Nov 2022	10 Nov 2022	20	11 Nov 2022
Sprint-2	20	3 Days	11 Nov 2022	13 Nov 2022	20	14 Nov 2022
Sprint-3	20	2 Days	14 Nov 2022	15 Nov 2022	20	16 Nov 2022
Sprint-4	20	2 Days	16 Nov 2022	17 Nov 2022	20	17 Nov 2022

Velocity:

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)

Sprint-1 (AV) = 0.5

Sprint-2 (AV) = 0.5

Sprint-3 (AV) = 0.5

Sprint-4 (AV) = 0.5

Burndown Chart:

A burn down 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.