Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID37289
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	Welcome Page	USN-1	Welcome page for the user	20	Medium	Tanmay Niranjan Shreechander Suriya Narayanan
Sprint-2	Input page	USN-2	As a user, I should be able to give input	10	High	Tanmay Niranjan Shreechander Suriya Narayanan

Sprint-2	Data pre-processing	USN-3	Processing the raw data for prediction	10	High	Tanmay Niranjan Shreechander Suriya Narayanan
Sprint-3	Model Building for prediction	USN-4	Building model for accurate price prediction	10	High	Tanmay Niranjan Shreechander Suriya Narayanan
Sprint-3	Integrate the model with Flask	USN-5	The model needs to be integrated with front end	10	High	Tanmay Niranjan Shreechander Suriya Narayanan
Sprint-4	Train the model on IBM Watson	USN-6	Model needs to be trained for accurate prediction	20	High	Tanmay Niranjan Shreechander Suriya Narayanan

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	
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	

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 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.