Project Planning Phase

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

Date	03 November 2022
Team ID	PNT2022TMID08854
Project Name	Project – DemandEst - AI Powered Food Demand Forecaster
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	Balamurugan Logesh Tharun Balaji Chethan kumar Gokul
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Balamurugan Logesh Tharun Balaji Chethan kumar Gokul
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Balamurugan Logesh Tharun Balaji Chethan kumar Gokul
Sprint-2		USN-4	As a user, I can register for the application through Gmail	2	Medium	Balamurugan Logesh Tharun Balaji Chethan kumar Gokul

Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Balamurugan Logesh Tharun Balaji Chethan kumar Gokul
Sprint-1	Dashboard	USN-6	As a user, I can access the services and information provided in the dashboard	2	High	Balamurugan Logesh Tharun Balaji Chethan kumar Gokul

Sprint-1	Login	USN-7	As a user, I can log into the web application and access the dashboard	1	High	Balamurugan Logesh Tharun Balaji Chethan kumar Gokul
Sprint-4	Helpdesk	USN-8	As a user, I can get the guidance from the customer care	1	High	Balamurugan Logesh Tharun Balaji Chethan kumar Gokul
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-3	Management	USN-9	As an administrator, I can collect new datasets and keep the model trained	2	High	Balamurugan Logesh Tharun Balaji Chethan kumar Gokul
Sprint-3		USN-10	As an administrator, I can update other features of the application	2	Medium	Balamurugan Logesh Tharun Balaji Chethan kumar Gokul

Sprint-3		USN-11	As an administrator, I can maintain the information about the user	2	Medium	Balamurugan Logesh Tharun Balaji Chethan kumar Gokul
Sprint-4		USN-12	As an administrator, I can maintain third-party services	1	Low	Balamurugan Logesh Tharun Balaji Chethan kumar Gokul

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	7	6 Days	24 Oct 2022	29 Oct 2022	7	29 Oct 2022
Sprint-2	4	9 Days	30 Oct 2022	07 Nov 2022	4	05 Nov 2022
Sprint-3	6	7 Days	08 Nov 2022	14 Nov 2022	6	12 Nov 2022
Sprint-4	2	7 Days	15 Nov 2022	21 Nov 2022	2	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

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

AV (Sprint 1) = 7/6 = 1

AV (Sprint 2) = 4/6 = 1

AV (Sprint 3) = 6/6 = 1

AV (Sprint 4) = 2/6 = 1

AV (Total) = 21/24 = 1

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.

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