Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID12530
Project Name	Personal Expense Tracker Application
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.	10	High	M Manojkumar Nandha Kishore V Rahul Raj D Harish N R
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password.	10	High	M Manojkumar Nandha Kishore V Rahul Raj D Harish N R
Sprint-2	Dashboard	USN-3	Logging in takes the user to their dashboard.	20	Low	M Manojkumar Nandha Kishore V Rahul Raj D Harish N R
Sprint-3	IBM DB2	USN-4	Linking database with dashboard.	20	High	M Manojkumar Nandha Kishore V Rahul Raj D Harish N R
Sprint-4	Deployment	USN-5	Deploying the work model in the cloud environment.	20	High	M Manojkumar Nandha Kishore V Rahul Raj D Harish N R

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

Sprint	Total Story Points	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	20	31 Oct 2022	05 Nov 2022	7	10 Nov 2022
Sprint-3	20	06 Nov 2022	11 Nov 2022	8	15 Nov 2022
Sprint-4	20	13 Nov 2022	17 Nov 2022	10	20 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 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