Project Planning Phase

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

Date	06 October 2022
Team ID	PNT2022TMID42215
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 need to register user id and password for accessing the application.	10	High	Kaviya.G Nandhini.K
Sprint-1	Login	USN-2	As a user, I need to login with user id and password to get into the application..	10	High	Devadharsini.S Jai Jansi.A Renishta.T.R
Sprint-2	Add Expenses	USN-3	As a User I can add the day to day expense that I spend on to the application..	10	High	Devadharsini.S Jai Jansi.A
Sprint-2	Edit and Delete Expenses	USN-4	As a User, I can edit and delete expenses as I wish..	10	Medium	Devadharsini.S Jai Jansi.A
Sprint-3	Total Expense Graph	USN-5	As a User I can view my expense in a graph of overview of the expense I spend.	10	High	Renishta.T.R Nandhini.K
Sprint-3	Email alerts	USN-6	As a User I will get mail when I cross my estimated budget.	10	High	Renishta.T.R Kaviya.G
Sprint-4	Deployment	USN-7	Deployment of Application.	20	High	Kaviya.G Nandhini.K

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	23 Oct 2022	28 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	30 Oct 2022	04 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	06 Nov 2022	11 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	13 Nov 2022	18 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)

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

$$AV = \frac{\text{Sprint duration}}{\text{Velocity}} = \frac{20}{6} = 3.33$$

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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart

https://www.atlassian.com/agile/tutorials/burndown-charts