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

Date	18 October 2022
Team ID	PNT2022TMID23362
Project Name	Personal expense tracker
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.	8	High	Nehasri Melbina
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password.	7	High	Nehasri Neeraja
Sprint-1	Dashboard	USN-3	As a user, I can see the accounts that I registered and can login from.	5	Medium	Vandana
Sprint-2	User panel	USN-4	As a user, I can upload my expenses and set a savings goal. I can get an analysis of my expenditure in graphical forms	20	High	Neeraja Nehasri Melbina Vandana
Sprint-3	Email alerts and backend connection	USN-5	As a user, I will be notified through email alerts when I cross the savings goals I set. And getting data from users, Storing data in database.	20	High	Neeraja Nehasri Melbina Vandana
Sprint -4	Final deployment of the application and delivery	USN-6	Run trials to understand traffic and deploy the application.	20	High	Neeraja Nehasri Melbina Vandana

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

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

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.