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

Date	18 October 2022
Team ID	PNT2022TMID29897
Project Name	Personal Expense Tracker
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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 username, email, password.	6	High	MADAN C MOHAMED RAASHID R ARAVINDHAN S GOWSALYA S
Sprint-1	Validation	USN-2	As a user,I will receive the OTP once I registered for the application.	6	High	MADAN C MOHAMED RAASHID R ARAVINDHAN S GOWSALYA S
Sprint-1	Confirmation	USN-3	As a user,I can enter the valid OTP,then only I can view the login page.	4	Medium	MADAN C MOHAMED RAASHID R ARAVINDHAN S GOWSALYA S
Sprint-1	Login	USN-4	As a user, I can log into the application by entering username & password	4	Medium	MADAN C MOHAMED RAASHID R ARAVINDHAN S GOWSALYA S
Sprint-2	Dashboard	USN-5	As a user,I can view the dashboard .	10	High	MADAN C MOHAMED RAASHID R ARAVINDHAN S GOWSALYA S
Sprint-2	Add Expense	USN-6	As a user, I can add my financial status	5	High	MADAN C MOHAMED RAASHID R ARAVINDHAN S GOWSALYA S
Sprint-2	Update Expense	USN-7	As a user, I can update by daily expenditure	5	High	MADAN C MOHAMED RAASHID R ARAVINDHAN S GOWSALYA S

Sprint-3	Manage data	USN-8	As a admin ,I can manage the user details.	8	High	MADAN C MOHAMED RAASHID R ARAVINDHAN S GOWSALYA S
Sprint-3	Notifications	USN-9	As a user, I will receive the notifications when my expense crosses the limit.	8	High	MADAN C MOHAMED RAASHID R ARAVINDHAN S GOWSALYA S
Sprint-3	Expense History	USN-10	As a user, I can track the history of expenses made.	4	Medium	MADAN C MOHAMED RAASHID R ARAVINDHAN S GOWSALYA S
Sprint-4	Smart Investment	USN-11	As a premium user, I can avail the Smart Investment feature	10	High	MADAN C MOHAMED RAASHID R ARAVINDHAN S GOWSALYA S
Sprint-4	Graph Visualization	USN-12	As a user, I can visualize my history of expenses.	10	High	MADAN C MOHAMED RAASHID R ARAVINDHAN S GOWSALYA S

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	19 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	19 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	19 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)

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

Velocity:

AV = 20/6 = 3.3333…

Sprint   1(AV)   =

3.34   Sprint

2(AV)   =   3.34

Sprint   3(AV)   =

3.34   Sprint

4(AV) = 3.34

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.

Reference:

https://www.atlassian.com/agile/project-management
https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software