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

Date	29 October 2022
Team ID	PNT2022TMID34929
Project Name	Project - 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 email, password, and confirming my password.	2	High	Maari Maheswari,Sowmiya
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Sherin,Raam Sivani
Sprint-1		USN-3	As a user, I can register for the application through Gmail	2	Medium	Sherin,Maari Maheswari
Sprint-1		USN-4	As a new user, I want to register by creating a username and password so that the system can remember me and my data.	2	High	Maari Maheswari,Raam Sivani
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Sherin,Sowmiya
Sprint-1		USN-6	As a registered user, I want to log in with my username and password so that the system can authenticate me and I can trust it.	2	High	Sherin,Sowmiya
Sprint-1		USN-7	As a registered user, I want to be able to occasionally change my password so that I can keep it secure.	3	High	Maari Maheswari,Raam Sivani
Sprint-1		USN-8	As a user, I want a "forgot password" option so that even if I forgot old password I can create new one immediately.	3	High	Sowmiya,Raam Sivani

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Chatbot	USN-10	Equip your expense tracking app with a bot that can understand and answer all user queries and address their needs such as account balance, credit score, etc.	4	Low	Maari Maheswari,Raam Sivani
Sprint-3	Data storage	USN-11	Entered data should be secure, stored and retrieved safely	4	High	Sherin,Sowmiya
Sprint-3		USN-12	Generate reports as PDF files	4	Medium	Maari Maheswari,Sowmiya
Sprint-2	Income and expense category	USN-13	As a user, I can create a category so that I can track expenses by specific categories	4	High	Sherin,Raam Sivani
Sprint-2		USN-14	As a user, I can edit a category so that I can fix any typos I may accidentally make.	3	Low	Sherin,Maari Maheswari
Sprint-2		USN-15	As a user, I can delete a category from an expense/income so that I can remove any mistakes	3	High	Sowmiya, Raam Sivani
Sprint-2		USN-16	As a use, I want the app to remind all the recurrent expenses on a timely basis.	4	High	Sherin,Maari Maheswari
Sprint-2		USN-17	The app should track the payments through online and automatically updates it onto the expense category	4	High	Sowmiya,Raam Sivani
Sprint-2		USN-18	As a user, I want a budget category	2	Medium	Maari Maheswari,Sowmiya
Sprint-3	Visuals	USN-19	As a user, I want to change the background colour as I wish	4	Low	Sherin,Raam Sivani
Sprint-3		USN-20	Statistical report of income vs expenditure should be in easy-to-understand pie chart or bar graph.	4	Medium	Sherin,Sowmiya
Sprint-3		USN-21	Statistical report of income vs expenditure should be in percentage	3	High	Maari Maheswari,Sowmiya
Sprint-4	Currency symbols	USN-22	As a user, I want the app to have many currency symbols	5	Low	Sherin,Raam Sivani

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	16	5 Days	01 Nov 2022	05 Nov 2022	10	16 Nov 2022
Sprint-2	20	5 Days	06 Nov 2022	10 Nov 2022	13	16 Nov 2022
Sprint-3	19	5 Days	11 Nov 2022	15 Nov 2022	15	18 Nov 2022
Sprint-4	12	4 Days	16 Nov 2022	19 Nov 2022	12	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.