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

Date	31 October 2022
Team ID	PNT2022TMID04575
Project Name	Project - 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 the email and password.	5	High	Dhiwaagar P Dhinakaran R Hariprasanth P Gowrisankar D
		USN-2	As a user, I will receive confirmation email when I have registered for the application.	5	High	Dhiwaagar P Dhinakaran R Hariprasanth P Gowrisankar D
	Login	USN-3	As a user, I can login or sign in with my email and password or through Gmail.	5	Medium	Dhiwaagar P Dhinakaran R Hariprasanth P Gowrisankar D
	Dashboard	USN-4	After the login, application will take the user to their corresponding dashboard.	5	High	Dhiwaagar P Dhinakaran R Hariprasanth P Gowrisankar D

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Update salary	USN-5	As a user, I want to update my salary details at the start of every month.	5	High	Dhiwaagar P Hariprasanth P
	Setting limit	USN-6	As a user, I want to set a target/limit to keep track of my expenditure.	5	High	Dhiwaagar P Hariprasanth P
		USN-7	As a user, I want to update my daily expenses in the application.	4	High	Dhinakaran R Gowrisankar D
	Workspace	USN-8	Separate workspace for Personal Expense Tracker.	3	Low	Dhinakaran R Gowrisankar D
	Charts	USN-9	Application will show the graphs of my weekly and everyday expenditure.	3	Low	Dhiwaagar P Dhinakaran R Hariprasanth P Gowrisankar D
Sprint-3	IBM DB2	USN-11	Database will link with Dashboard.	5	Medium	Dhiwaagar P Hariprasanth P
		USN-12	Making Dashboard interactive with JS.	5	Medium	Dhinakaran R Gowrisankar D
	Chat bot	USN-13	Chatbot will embed with application to clarify the user's queries.	5	High	Dhiwaagar P Hariprasanth P
	SendGrid	USN-15	For a reminder or any alert, SendGrid will send mail to the user.	5	High	Dhinakaran R Gowrisankar D

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Integration	USN-16	Integrating Frontend and Backend.	8	High	Dhiwaagar P Hariprasanth P
	Containerization	USN-17	As a user, I can access the software with high performance	6	High	Dhiwaagar P Dhinakaran R Hariprasanth P Gowrisankar D
	Deployement	USN-18	As a user, I can access the software in the web	6	High	Dhiwaagar P Dhinakaran R Hariprasanth P Gowrisankar D

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	31 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 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)

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

AV =sprint duration/velocity

= 20/6

= 3. 3

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.

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

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

Reference:

https://www.atlassian.com/agile/project-management

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

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

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