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

Date	18 October 2022
Team ID	PNT2022TMID04427
Project Name	Project - 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	UI design	USN-1	As a user, I can experience good user interaction and user experience in the application	6	High	Raguram G P
Sprint-1	Setup Flask	USN-3	Create a flask app and initialize the application with settings like debugger, folder structure etc.	2	High	Raveen A
Sprint-1	Setup cloud database and connect with flask	USN-4	As a user, I can access the website by login	3	High	Raveen A
Sprint-1	Complete user register module with db connection	USN-5	As a user, I can register in the application	3	High	Sandhiya K
Sprint-1	complete user login module with db connection	USN-6	As a user, I login into the application	3	High	Oviya D
Sprint-1	Complete account module	USN-13	As a user, I can view the profile page of the application.	3	Medium	Oviya D
			SPRINT-1 REVIEW AND SUBMISSION			

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Complete dashboard module in flask	USN-8	As a user, If I Logged in correctly, I can view my dashboard and I can navigate to any pages which are in the sidebar.	5	High	Oviya D
Sprint-2	Complete add/view payer module	USN-12	As a user, I can add and view all the payers in the application	2	Medium	Sandhiya K
Sprint-2	Complete add/view budget module	USN-11	As a user, I can add and view the budgets I created	3	High	Raguram GP
Sprint-2	Complete add/view category	USN-10	As a user, I can add and view the categories I created	2	Medium	Raguram G P
Sprint-2	Complete report/analysis module	USN-14	As a user, I can view reports like monthly, weekly, spending trends, payers reports etc with graphs and relatable tables.	5	High	Raveen A
Sprint-2	Complete add/view Expenses module	USN-9	As a user, I can add and view all my expenses in the application	3	Medium	Sandhiya K
			SPRINT-2 REVIEW AND SUBMISSION			
Sprint-3	Sendgrid service	USN-16	As a user, I can get notification about the range of my expenditure spent	5	Medium	Oviya D, Raveen A
Sprint-3	Unit Testing	USN-20	As a user, I can access the application any where and in any device	5	High	Raguram GP, Raveen A, Oviya D, Sandhiya K.
Sprint-3	AcceptanceTesting	USN-21	As a user, I can access the application any where and in any device	3	Medium	Sandhiya K, Raguram G P
Sprint-3	Performance Metrics	USN-22	As a user, I can access the application any where and in any device	3	High	Raguram G P, Sandhiya K
Sprint-3	Correctness	USN-23	As a user, I can get clarified if any queries arises	4	Medium	Raveen A, Oviya D
			SPRINT-3 REVIEW AND SUBMISSION			

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Dockerize the application	USN-17	Dockerize the application and run the application inside docker.	5	High	Oviya D
Sprint-4	Create chatbot	USN-15	Create a chatbot for the application.	5	High	Raguram GP
Sprint-4	Enable Kubernetes	USN-18	Enable kubernetes and run the application.	5	High	Raveen A
Sprint-4	Deployment	USN-24	Deploy the application to the cloud	3	High	Oviya D, Raveen A, Raguram G P, Sandhiya K
Sprint-4	Technical support	USN-19	As a user, I can get clarified if any queries arises	2	Medium	Sandhiya K
			SPRINT-4 REVIEW AND SUBMISSION			

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	9 Nov 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	11 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	14 Nov 2022

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-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

we have a 6-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)

$$AV = \frac{sprint\ duration}{velocity}$$

AV = 20/6 = 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.

BURNDOWN CHART