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

Date	18 October 2022
Team ID	PNT2022TMID36032
Project Name	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	Registration and Setup	USN-1	As a new user, I want to see how this product will provide value and see where I can register Also setting up the project environment	20	Low	Aarthi Iyer
Sprint-2	Sign-Up	USN-2	As a user, I want to register using my email ID and get a confirmation about account creation	5	High	Soumik Rakshit
Sprint-2	Social Sign-Up	USN-3	As a user, I want the option to sign up easily using social logins [Google OAuth]	5	Low	Shruthi Muthu
Sprint-2	User information - Onboarding	USN-4	As a user, I want to update my information with respect to spending capacity, budget and savings goal	10	High	Aarthi Iyer, Soumik Rakshit
Sprint-3		USN-5	As a user, I want to be able to update my daily expenses	10	High	Shruthi Muthu, Barathvaraj
	Interactive Dashboard using JS	USN-6	As a user, I want to be able to view visually, my spending behaviour and get insights on how to do it better	10	High	Shruthi Muthu, Aarthi Iyer
Sprint-4	Email Reminders using SendGrid	USN-7	As a user, I want to receive reminders about my activities on the web app	3	Medium	Aditya V
Sprint-4	Watson Assistant Chatbot	USN-8	As a user, I want immediate query resolution	10	Medium	Shruthi Muthu
Sprint-4	Profile	USN-9	As a user, I want to be able to view and update my personal details from my profile page	7	Medium	Aarthi Iyer, Aditya V

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-5	Forgot Password	USN-10	As a user, I want to be able to reset my password in case I forget	4	Medium	Soumik Rakshit, Barathvaraj
Sprint 5	IBM DB2	USN-11	Linking database with dashboard	4	High	Soumik Rakshit
	Integration	USN-12	Integrating frontend and backend	2	High	Soumik Rakshit, Aditya V
	Docker	USN-13	Creating Docker image of web app	3	High	Soumik Rakshit
	Cloud Registry	USN-14	Uploading docker image to IBM cloud registry	3	High	Soumik Rakshit, Shruthi Muthu
	Kubernetes	USN-15	Creating container using docker and hosting the webapp	3	High	Soumik Rakshit, Aarthi Iyer
	Exposing Deployment	USN-16	Exposing IP/Ports for the site	1	Medium	Soumik Rakshit

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	7 Days	27 Oct 2022	4 Nov 2022		
Sprint-2	20	7 Days	4 Nov 2022	11 Nov 2022		
Sprint-3	20	7 Days	11 Nov 2022	18 Nov 2022		
Sprint-4	20	7 Days	18 Nov 2022	25 Nov 2022		
Sprint-5	20	7 Days	25 Nov 2022	2 Dec 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)

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)

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