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

Date	18 October 2022
Team ID	PNT2022TMID22563
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 email , new password and confirming the same password.	2	High	Logeswaran Abiraj Sri Ganesh
	Security	USN -2	As a user , I will receive confirmation email once I have registered for the application.	1	Low	
	Login	USN -3	As a user , I can log into the application by entering email and password / Google OAuth.	2	High	Purushothaman Abiraj
	Dashboard	USN -4	Logging in takes the user to their dashboard.	1	Low	
Sprint - 2		USN -5	As a user ,I will update my salary at the start of each month.	1	Medium	Logeswaran
		USN -6	As a user , I will set a target/limit to keep track of my expenditure.	1	Medium	Purushothaman
	Workspace	USN -7	Workplace for personal expense tracking	1	Medium	Sri Ganesh
	Charts	USN -8	Graphs to show weekly and everyday expenditure	2	High	Abiraj
		USN -9	As a user , I can export raw data as csv file.	1	Medium	Logeswaran

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 3	IBM DB2	USN -10	Linking database with dashboard	2	High	Logeswaran
		USN -11	Making dashboard interactive with JS	2	High	Sri Ganesh
	Watson Assistant	USN -12	Embedding Chatbot to clarify user's queries.	1	Low	Purushothaman
	BCrypt	USN -13	Using BCrypt to store passwords securely.	1	Medium	Abiraj
	SendGrid	USN -14	Using SendGrid to send mail to the user. (To alert or remind)	1	Medium	Sri Ganesh
Sprint - 4	Integration	USN -15	Integrating frontend and backend.	2	High	Logeswaran
	Docker	USN -16	Creating Docker image of web app.	2	High	Purushothaman
	Cloud Registry	USN -17	Uploading docker image to IBM cloud registry.	2	High	Sri ganesh
	Kubernetes	USN -18	Creating container using docker and hosting the webapp.	2	High	Abiraj
	Exposing Deployment	USN -19	Exposing IP/Ports for the site.	1	Medium	Logeswaran

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	29 Oct 2022	06 Nov 2022	16	07 Nov 2022
Sprint-2	20	7 Days	05 Nov 2022	11 Nov 2022	12	12 Nov 2022
Sprint-3	20	7 Days	12 Nov 2022	18 Nov 2022	17	19 Nov 2022
Sprint-4	20	7 Days	19 Nov 2022	25 Nov 2022	14	26 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)

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