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

Date	13 November 2022
Team ID	PNT2022TMID33573
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 , new password and confirming the same password.	4	High	Harini K Sudhirkumar S
		USN -2	As a user , I will receive confirmation email once I have registered for the application.	3	Low	
	Login	USN -3	As a user , I can log into the application by entering email and password / Google OAuth.	4	High	Monashree K Srinidhi S
	Dashboard	USN -4	Logging in takes the user to their dashboard.	2	Low	
Sprint - 2		USN -5	As a user ,I will update my salary at the start of each month.	2	Medium	Harini K Sudhirkumar S
		USN -6	As a user , I will set a target/limit to keep track of my expenditure.	2	Medium	Monashree K Srinidhi S
	Workspace	USN -7	Workplace for personal expense tracking	5	Medium	Harini K Sudhirkumar S
	Charts	USN -8	Graphs to show weekly and everyday expenditure	5	High	Monashree K Srinidhi S
		USN -9	As a user , I can export raw data as csv file.	2	Medium	Harini K Sudhirkumar S

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	3	High	Monashree K Srinidhi S
		USN -11	Making dashboard interactive with JS	3	High	Harini K Sudhirkumar S
	Watson Assistant	USN -12	Embedding Chatbot to clarify user's queries.	4	Low	Monashree K Srinidhi S
	BCrypt	USN -13	Using BCrypt to store passwords securely.	2	Medium	Harini K Sudhirkumar S
	SendGrid	USN -14	Using SendGrid to send mail to the user. (To alert or remind)	2	Medium	Monashree K Srinidhi S
Sprint - 4	Integration	USN -15	Integrating frontend and backend.	3	High	Monashree K Srinidhi S
	Docker	USN -16	Creating Docker image of web app.	2	High	Harini K Sudhirkumar S
	Cloud Registry	USN -17	Uploading docker image to IBM cloud registry.	3	High	Monashree K Srinidhi S
	Kubernetes	USN -18	Creating container using docker and hosting the webapp.	5	High	Monashree K Srinidhi S
	Exposing Deployment	USN -19	Exposing IP/Ports for the site.	1	Medium	Harini K Sudhirkumar S

Project Tracker: (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	28 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	6 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

Velocity

$$AV = velocity / sprint\ duration$$

Sprint 1

Velocity / Sprint duration = 13 / 6 = 2.17

Sprint 2

Velocity / Sprint duration = 16 / 6 = 2.7

Sprint 3

Velocity / Sprint duration = 14 / 6 = 2.3

Sprint 4

Velocity / Sprint duration = 14 / 6 = 2.3
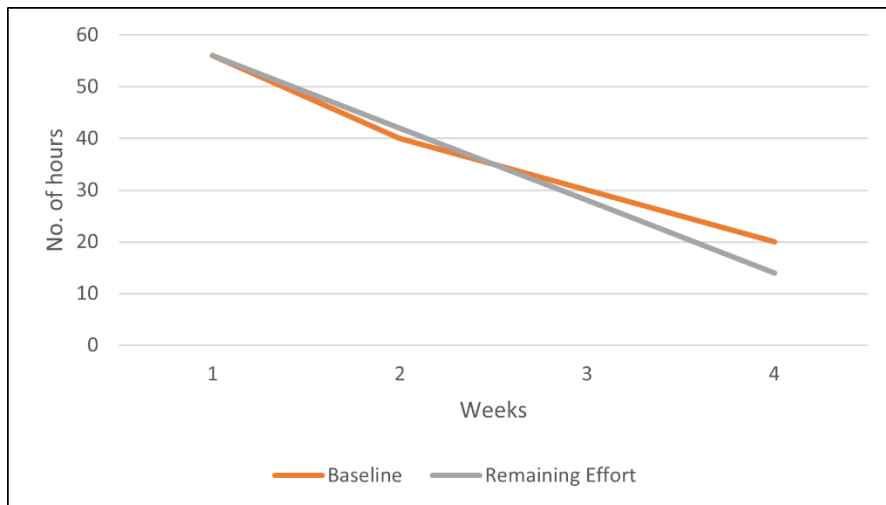
Total Average Velocity = 2.37

Sprint	Velocity
Sprint - 1	2.17
Sprint - 2	2.7
Sprint - 3	2.3
Sprint - 4	2.3

Burndown Chart:

Weeks	1	2	3	4
Baseline	56	40	30	20
Remaining Effort	56	42	28	14