Project Planning Phase

Date	17 November 2022
Team ID	PNT2022TMID46490
Project Name	Personal Expense Tracker Application
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, password, and confirming my password.	2	High	Mohamed Fayaz
		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Maruthi
	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Mohamed Riyas
	Dashboard	USN-4	Logging in takes to the dashboard for the logged user.	`2	High	Punithan
*Bug fixes, routine checks and improvisation by everyone in the team *Intended bugs only*						
	Workspace	USN-1	Workspace for personal expense tracking	2	High	Punithan
	Charts	USN-2	Creating various graphs and statistics of customer's data	1	Medium	Mohamed Riyas

Sprint 2	Connecting to IBM DB2	USN-3	Linking database with dashboard	2	High	Mohamed Fayaz
		USN-4	Making dashboard interactive with JS	2	High	Mohamed Riyas
Sprint-3		USN-1	Wrapping up the server side works of frontend	1	Medium	Punithan
	Watson Assistant	USN-2	Creating Chatbot for expense tracking and for clarifying user's query	1	Medium	Mohamed Fayaz
	SendGrid	USN-3	Using SendGrid to send mail to the user about their expenses	1	Low	Mohamed Riyas
		USN-4	Integrating both frontend and backend	2		Mohamed Riyas
*Bug fixes, routine checks and improvisation by everyone in the team *Intended bugs only*						
Sprint-4	Docker	USN-1	Creating image of website using docker/	2	High	Mohamed Riyas
	Cloud Registry	USN-2	Uploading docker image to IBM Cloud registry	2	High	Mohamed Fayaz
	Kubernetes	USN-3	Create container using the docker image and hosting the site	2	High	Punithan
	Exposing	USN-4	Exposing IP/Ports for the site	2	High	Mohamed Riyas

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	29 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

We have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). Calculating the team's average velocity (AV).

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{3.33} = 6$$