PERSONAL EXPENSE TRACKER

Project planning phase

Problem members

- **Rakseda keerthi A S**
- **Ridthi R**
- **Santhana Selvi T**
- **Sneha K**

Date	19 October 2022
Team ID	PNT2022TMIDO5298
Project name	Personal expense tracker
Maximum marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functinal 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	Rakseda keerthi A S, santhana selvi T
		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Sneha k, Ridthi R
	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Santhana selvi T, Ridthi R
	Dashboard	USN-4	Logging in takes to the dashboard for the logged user.	2	High	Sneha k, Rakseda keerthi A S

Bug fixes, routine checks and improvisation by everyone in the team *Intended bugs only

Sprint 2	Workspace	USN-1	Workspace for personal expense tracking	2	High	Rakseda keerthi A S, Sneha k
	Charts	USN-2	Creating various graphs and statistics of customer's data	1	Medium	Ridthi R, rakseda keerthi A S
	Connecting to IBM DB2	USN-3	Linking database with dashboard	2	High	Santhana selvi T, ridthi R
		USN-4	Making dashboard interactive with JS	2	High	Sneha k, santhana selvi T
Sprint-3		USN-1	Wrapping up the server side works of frontend	1	Medium	Ridthi R, Sneha k
	Watson assistant	USN-2	Creating Chatbot for expense tracking and for clarifying user's query	1	Medium	Sneha k, Rakseda keerthi A S
	SendGrid	USN-3	Using SendGrid to send mail to the user about their expenses	1	Low	Rakseda keerthi A S, santhana selvi T
		USN-4	Integrating both frontend and backend	2		Santhana selvi T, Ridthi R

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	Sneha k, Ridthi R
	Cloud Registry	USN-2	Uploading docker image to IBM Cloud registry	2	High	Ridthi R, Rakseda keerthi A S
	Kubernetes	USN-3	Create container using the docker image and hosting the site	2	High	Santhana selvi T, sneha K
	Exposing	USN-4	Exposing IP/Ports for the site	2	High	Rakseda keerthi A S, Santhana selvi T

Project Tracker, Velocity & Burndown Chart:

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 2202	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).

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