

Project Planning Phase Sprint Delivery Plan

Date	01 November 2022
Team ID	PNT2022TMID16333
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	Sudhandra B
		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Sanjana L
	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Sylvia Hema Sharon S

	Dashboard	USN-4	Logging in takes to the dashboard for the logged user.	2	High	Srimathi S
		USN-5	Organizing design project in UI	1	High	Roshini G P
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	Sudhandra B
	Charts	USN-2	Creating various graphs and statistics of customer's data	1	Medium	Sanjana L
	Connecting to IBM DB2	USN-3	Linking database with dashboard	2	High	Sylvia Hema Sharon S
		USN-4	Making dashboard interactive with JS	2	High	Srimathi S
		USN - 5	Maintaining database medium	2	Medium	Roshini G P
Sprint-3		USN-1	Wrapping up the server side works of frontend	1	Medium	Sudhandra B
	Watson Assistant	USN-2	Creating Chatbot for expense tracking and for clarifying user's query	1	Medium	Sanjana L
	SendGrid	USN-3	Using SendGrid to send mail to the user about their expenses	1	Medium	Sylvia Hema Sharon S

		USN-4	Integrating both frontend and backend	2	High	Srimathi S
		USN - 5	Testing	2	Medium	Roshini G P

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	Priya M
	Cloud Registry	USN-2	Uploading docker image to IBM Cloud registry	2	High	Manasha P
	Kubernetes	USN-3	Create container using the docker image and hosting the site	2	High	Nukalapati Thanusha
	Exposing	USN-4	Exposing IP/Ports for the site	2	High	Ramya J

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	20 Oct 2022	25 Oct 2022	20	26 Oct 2022
Sprint-2	20	6 Days	28 Oct 2022	02 Nov 2022	20	02 Nov 2022
Sprint-3	20	6 Days	05 Nov 2022	11 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 10- days 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)

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

	Initial Estimate	24-Oct	25-Oct	26-Oct	27-Oct	28-Oct	29-Oct
Sprint Number	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
Sprint-1	20	0	10	5	3	1	1
Sprint-2	20	2	10	4	1	1	2
Sprint-3	20	5	5	5	5	0	0
Sprint-4	20	3	3	3	3	3	5
Task planned	7	6	5	4	3	2	1
Task Actual	7	5.5	6	4	2	1.5	1

BURNDOWN CHART

