

## Project Planning Phase

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

Date	13 November 2022
Team ID	PNT2022TMID35639
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	User should register for the application by entering their username, email and password	4	High	Sivakumar TV Vishnutheep B
		USN -2	User, will receive confirmation email once they registered for the application.	3	Low	
	Login	USN -3	User should be able to log into the application by entering the provided email and password	4	High	Akshay Ajit Santhosh Kumar S
	Dashboard	USN -4	On successful login, user should land on the dashboard page.	2	Low	
Sprint - 2		USN -5	User should able to add expense, they should give information regarding expense_name, amount, payment mode, payment category	2	Medium	Vishnutheep B Santhosh Kumar S
		USN -6	As a user , I will set a target/limit to keep track of my expenditure.	2	Medium	Sivakumar T V Akshay Ajit
	Workspace	USN -7	Workplace for personal expense tracking	6	Medium	Sivakumar T V Santhosh Kumar S
	Charts	USN -8	Graphs to show weekly and everyday expenditure	6	High	Vishnutheep B Akshay Ajit

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 3	IBM DB2	USN - 9	Linking database with dashboard	3	High	Akshay Ajit Sivakumar T V
		USN -10	Making dashboard interactive with JS	3	High	Akshay Ajit Santhosh Kumar S
	SendGrid	USN -11	Sending mail to the user once they have crossed their limits, and their reports can also be sent to their mail.	5	Medium	Vishnutheep B Santhosh Kumar S
	PDF	USN - 12	Daily, Weekly, Yearly based report can be downloaded as PDF	3		Vishnutheep B Sivakumar T V
Sprint - 4	Integration	USN -13	Integrating frontend and backend.	3	High	Akshay Ajit Santhosh Kumar S
	Docker	USN -14	Creating Docker image of web app.	2	High	Vishnutheep B Akshay Ajit
	Cloud Registry	USN -15	Uploading docker image to IBM cloud registry.	3	High	Vishnutheep B Sivakumar T V
	Kubernetes	USN -16	Creating container using docker and hosting the webapp.	5	High	Akshay Ajit Vishnutheep B
	Exposing Deployment	USN -17	Exposing IP/Ports for the site.	1	Medium	Sivakumar T V Santhosh Kumar 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	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

## Velocity

$$AV = \text{velocity} / \text{sprint duration}$$

Sprint

1 Velocity / Sprint duration =  $13 / 6$

Sprint  
2 = 2.17 Velocity / Sprint duration =

Sprint  
3  $16 / 6 = 2.7$  Velocity / Sprint

duration =  $14 / 6 = 2.3$  Velocity /

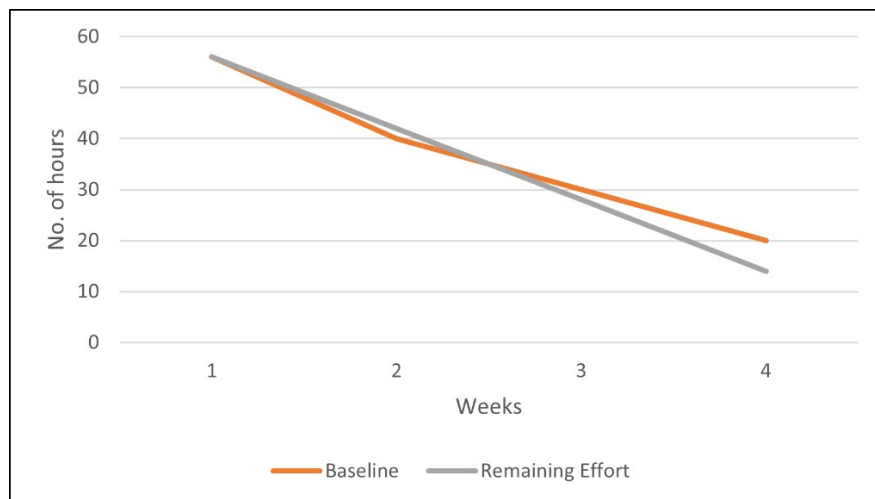
Sprint

4 Sprint duration =  $14 / 6 = 2.3$

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

**Total Average Velocity = 2.37**

## Burndown Chart:



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