

## Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID38736
Project Name	Project - Personal Expense Tracker Application
Maximum Marks	8 Marks

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

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	Abinayashri A
		USN-2	As a user, I will receive confirmation email once I have registered for theapplication	1	High	Srimathi S
	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Vasela Parvin L
	Dashboard	USN-4	Logging in takes to the dashboard for the logged user.	2	High	Suvashini S
Sprint 2	Workspace	USN-1	Workspace for personal expense tracking	2	High	Vasela Parvin L
	Charts	USN-2	Creating various graphs and statistics of customer's data	1	Medium	Suvashini S

	Connecting to IBM DB2	USN-3	Linking database with dashboard	2	High	Abinayashri A
Sprint-3	Chatbot	USN-1	Creating Chatbot for expense tracking and for clarifying user's query	3	High	Abinayashri A
	Alerting	USN-2	Using SendGrid to send mail to the user about their expenses	5	High	Suvashini S
Sprint-4	Cloud Registry	USN-1	Uploading docker image to IBM Cloud registry	2	High	Srimathi S
	Kubernetes	USN-2	Create container using the docker image and hosting the site	8	High	Abinayashri A

#### 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		
Sprint-2	20	6 Days	31 Oct 2022	05 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:**

Imagine we have a 10-day 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)

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

#### **Burndown Chart:**

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.