

## Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID00377
Project Name	Project – Personal Expense Tracker
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	Creating Basic login page	USN-1	As a user, I can create my account and get my login credentials.	2	High	4
Sprint-1	IBM Cloud	USN-2	As a user, I will receive acknowledgement for my account creation.	1	High	4
Sprint-2	Downloading of required software	USN-3	As a user, I can get additional features along with the tracking of my monthly expenses.	2	Low	1
Sprint-2	Creation of SendGrid account	USN-4	As a user, I can get details about my expenses and income at any instant, without any server issues.	2	Medium	2
Sprint-3	Integration of IBM Cloud and SendGrid	USN-5	As a user, I can get my details, my transaction history, latest updates about my expenses.	1	High	4
Sprint-3	Dashboard	USN-6	I can get all my TO DO lists and features at an instant in the dashboard.	2	Medium	2
Sprint-4	Offline Receipt	USN-7	I can get my transaction receipts in offline mode also.	2	High	4
Sprint-4	Overall	USN-8	Expense ,income, transaction, invest and many features can be benefitted from this app.	2	High	4

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	6 Days	30 Sept 2022	2 Oct 2022	20	20 Oct 2022
Sprint-2	20	3 Days	3 Oct 2022	7 Oct 2022	20	20 Oct 2022
Sprint-3	20	5 Days	10 Oct2022	15 Oct 2022		20 Oct 2022
Sprint-4	20	4 Days	18 Oct 2022	22 Oct 2022		20 Oct 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)

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