# Project Planning Phase

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

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| Team ID | PNT2022TMID27692 |
| 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 | Creating loginpage | USN-1 | As a user, I can create my account and get my login credentials. | 10 | High | 4 |
| Sprint-1 | IBM Cloud | USN-2 | As a user, my data is stored in IBM cloud so I can access my account through multiple devices. | 10 | Medium | 4 |
| Sprint-2 | Adding Expenses to an application | USN-3 | As a user, I can add my budget and track my monthly expenses based on expenditure. | 10 | High | 4 |
| Sprint-2 | Kubernetes | USN-4 | As a developer, scaling your applications up and down to fit changing needs, monitoring your applications, and more—making it easier to manage. | 10 | Medium | 4 |
| 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. | 10 | High | 4 |
| Sprint-3 | Dashboard | USN-6 | As a user, I can get all my reports lists and features at aninstant in the dashboard. | 10 | Medium | 4 |
| Sprint-4 | Tips and suggestion | USN-7 | As a user, I can get useful tips to save money based on my transaction. | 10 | Low | 4 |
| Sprint-4 | Overall | USN-8 | Expense ,income, transaction, invest and many features can be benefitted from this app. | 10 | High | 4 |

**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 | 2 Days | 09 Nov 2022 | 10 Nov 2022 | 20 | 20 Nov 2022 |
| Sprint-2 | 20 | 3 Days | 11 Nov 2022 | 13 Nov 2022 | 20 | 20 Nov 2022 |
| Sprint-3 | 20 | 3 Days | 14 Nov 2022 | 16 Nov 2022 | 20 | 20 Nov 2022 |
| Sprint-4 | 20 | 3 Days | 17 Nov 2022 | 19 Nov 2022 | 20 | 20 Nov 2022 |
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**Velocity:**

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

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