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

| Date | 18 October 2022 |
|---|---|
| Team ID | PNT2022TMID35287 |
| 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. | 5 | High | Mahjabeen Pooja |
| | | USN-2 | As a user, I will receive confirmation email once I have registered for the application. | 5 | Low | |
| | Login | USN-3 | As a user, I can log into the application by entering email & password. | 5 | High | Bharath Shashi |
| | Dashboard | USN-4 | As a user, I will be able to view the dashboard which contains all information. | 5 | Low | |
| Sprint-2 | | USN-5 | As a user, I will enter the budget information at the start of each month and set limit. | 8 | Medium | Mahjabeen |
| | Workspace | USN-6 | The main UI for expense tracking. | 6 | Medium | Bharath |
| | Analytics | USN-7 | Graphs to show expenses, given the time frame. | 6 | High | Pooja |
| Sprint-3 | IBM DB2 | USN-8 | Linking the dashboard details with the database. | 4 | High | Shashi |
| | | | Make the dashboard dynamic. | 5 | High | Shashi |
| | Watson Assistant | USN-9 | To clarify user's queries. | 3 | Low | Mahjabeen |
| | BCrypt | USN-10 | Store passwords securely. | 4 | Medium | Bharath |

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---|---|---|---|---|---|---|
| | SendGrid | USN-11 | Using SendGrid to send mail. | 4 | Medium | Pooja |
| Sprint-4 | Integration | USN-12 | Integrate frontend and backend. | 5 | High | Bharath |
| | Docker | USN-13 | Creating docker image. | 6 | High | Mahjabeen |
| | Cloud Registry | USN-14 | Uploading docker image to IBM cloud registry. | 4 | High | Shashi |
| | Kubernetes | USN-15 | Creating container using docker and hosting it, | 5 | High | Pooja |

**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 | 20 | 30 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 20 | 06 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 20 | 08 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 15 Nov 2022 |

**Velocity:**

$$AV = \text{Sprint Duration} / \text{Velocity} = 20 / 6 = 3.33$$