# Project Planning Phase
# Sprint Delivery Plan

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| Date | 06 November 2022 |
| Team ID | PNT2022TMID03865 |
| Project Name | Project – 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 | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | 3 | High | Chilakamarthi Prem Kashyap |
| | | USN-2 | As a user, I can register for the application through the Gmail. | 3 | High | Gollapudi Sai Dayakar Reddy |
| | Confirmation | USN-3 | As a user, I will receive confirmation email once I have registered for the application. | 4 | High | Arokia Nivin A |
| | Login | USN-4 | As a user, I can log into the application by entering email &password. | 3 | High | Dinesh Kumar N |
| | Connecting to IBM DB2 | USN-3 | Linking database to store and verify login credentials of users. | 3 | High | Chilakamarthi Prem Kashyap |
| | Dashboard | USN-5 | Logging in takes to the dashboard. Dashboard is used to access all the services provided to the user. | `4 | High | Chilakamarthi Prem Kashyap |
| Sprint 2 | Workspace | USN-1 | Workspace for personal expense tracking. | 6 | High | Chilakamarthi Prem Kashyap |
| | Charts | USN-2 | Creating various graphs and statistics of customer's data, | 4 | Medium | Gollapudi Sai Dayakar Reddy |
| | Connecting to IBM DB2 | USN-3 | Linking database with dashboard. | 5 | High | Dinesh Kumar N |
| | | USN-4 | Making dashboard interactive with JS. | 5 | High | Arokia Nivin A |

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| **Sprint-3** | | USN-1 | Wrapping up the server side works of frontend. | 5 | Medium | Chilakamarthi Prem Kashyap |
| | Watson Assistant | USN-2 | Creating Chatbot for expense tracking and for clarifying user'squery. | 4 | Medium | Gollapudi Sai Dayakar Reddy |
| | SendGrid | USN-3 | Using SendGrid to send mail to the user about their expenses. | 5 | High | Dinesh Kumar N |
| | | USN-4 | Integrating both frontend and backend. | 6 | High | Arokia Nivin A |
| **Sprint-4** | Docker | USN-1 | Creating image of website using docker. | 5 | High | Chilakamarthi Prem Kashyap |
| | Cloud Registry | USN-2 | Uploading docker image to IBM Cloud registry. | 5 | High | Arokia Nivin A |
| | Kubernetes | USN-3 | Create container using the docker image and hosting the site. | 5 | High | Dinesh Kumar N |
| | Exposing | USN-4 | Exposing IP/Ports for the site. | 5 | High | Gollapudi Sai Dayakar Reddy |

**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 | 26 Oct 2022 | 29 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 02 Nov 2022 | 05 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 09 Nov 2022 | 12 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 16 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |

**Velocity**

We have a 6-day sprint duration, and the velocity of the team is 20 (points per sprint). Calculating the team's average velocity (AV).

$$AV = \frac{\text{sprint duration}}{\text{Velocity}} = \frac{20}{6} = 3.33$$