Project Planning Phase

|  |  |
| --- | --- |
| **Date** | 18 October 2022 |
| **Team ID** | PNT2022TMID51918 |
| **Project Name** | Personal Expense Tracker Application |
| **Maximum Marks** | 8 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. | 2 | High | Anuraam |
|  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 1 | High | Balachandran |
| Login | USN-3 | As a user, I can log into the application by entering email & password | 1 | High | Kaneeshma |
| Dashboard | USN-4 | Logging in takes to the dashboard for the logged user. | `2 | High | Ananthapadmanabhan |
|  | | | | | | |
| **Sprint 2** | Workspace | USN-1 | Workspace for personal expense tracking | 2 | High | Anuraam |
| Charts | USN-2 | Creating Pie chart and statistics of customer’s data of their expense | 1 | Medium | Kaneeshma |
| Connecting to IBM DB2 | USN-3 | Linking database with dashboard | 2 | High | .Ananthapadmanabhan |
|  | USN-4 | Making dashboard interactive with JS | 2 | High | Bala chandran |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint-3** |  | USN-1 | Wrapping up the server side works of frontend | 1 | Medium | Anuraam |
| Watson Assistant | USN-2 | Creating Chatbot for expense tracking and for clarifying user’s query | 1 | Medium | BalaChandran |
| SendGrid | USN-3 | Using SendGrid to send mail to the user about their expenses | 1 | Low | Kaneeshma |
|  | USN-4 | Integrating both frontend and backend | 2 | High | Ananthapadmanabhan |
|  | | | | | | |
| **Sprint-4** | Docker | USN-1 | Creating image of website using docker | 2 | High | Kaneeshma |
| Cloud Registry | USN-2 | Uploading docker image to IBM Cloud registry | 2 | High | BalaChandran |
| Kubernetes | USN-3 | Create container using the docker image and hosting the site | 2 | High | Anuraam |
| Exposing | USN-4 | Exposing IP/Ports for the site | 2 | High | Ananthapadmanabhan |

**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 | 23 Oct 2022 | 28 Oct 2022 | 20 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 30 Oct 2022 | 04 Nov 2022 | 20 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 06 Nov 2022 | 11 Nov 2022 | 20 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 13 Nov 2022 | 18 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 = sprint duration = 20 = 3.33

velocity 6