**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID12996 |
| Project Name | Project – PLASMA DONOR 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 |  |
| USN-2 | As a user, I will receive a confirmation email which will successfully complete my registration procedure on the application | 5 | High |  |
| Login | USN-3 | As a user, I should be able to login with my existing credentials and my profile should be retained | 5 | High |  |
| Sprint-2 | Request creation | USN-4 | As a patient, I can create requests for plasma donation for donors to see and respond to | 10 | High |  |
|  | Donor creation | USN-5 | As a donor, I should be able to enter my details and other health related information to show interest in donating plasma | 5 | High |  |
|  | Request verification | USN-6 | As a admin, I must verify the validity of each requests to ensure resources are not wasted, by contacting patient or hospital | 5 | High |  |
| Sprint-3 | Donor acceptance | USN-7 | As a donor, I can accept requests that match my details and contact the patient or hospital to initiate donation | 10 | High |  |
|  | Contact details sharing | USN-8 | As a user, the donor contact will be shared to patient, and patient contact to donor for further communication | 10 | High |  |
| Sprint-4 | Chatbot | USN-9 | As a user of the application, I can avail guidance on how to use the app and the functionalities from the chatbot | 4 | Medium |  |
|  | Contact us | USN-10 | As a user, I should have the option to provide feedback and contact the support team to convey the issues experienced while using the app | 4 | Medium |  |

**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 | 15 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 15 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 35 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 55 | 07 Nov 2022 |
| Sprint-4 | 8 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 63 | 14 Nov 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)



**Burndown Chart:**

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile[software development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). However, burn down charts can be applied to any project containing measurable progress over time.

[**https://www.visual-paradigm.com/scrum/scrum-burndown-chart/**](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](https://www.atlassian.com/agile/project-management)

[**https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software**](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)

[**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics)

[**https://www.atlassian.com/agile/tutorials/sprints**](https://www.atlassian.com/agile/tutorials/sprints)

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[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)