Project Planning Phase

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

|  |  |
| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID23657 |
| Project Name | Project - PLASMA DONOR 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. | 4 | High | M.Pooja  V.Nehaa  G.Suvetha |
| Sprint-1 | Email Confirmation | USN-2 | As a user, I will receive confirmation email once I have registered for the application | 4 | High | S.Srinithi |
| Sprint-1 | Registration | USN-3 | As a user, I can register for the application through Gmail and other Email services | 2 | Medium | S.Srinithi |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering email & password | 4 | High | M.Pooja |
| Sprint-1 | Profile | USN-5 | As a user, I am able to register myself as a registered plasma donor and view my profile page. | 4 | High | M.Pooja  V.Nehaa  G.Suvetha |
| Sprint-2 | Social Media | USN-6 | As a user, I can link and register to the application through social media accounts | 2 | Low | S.Srinithi |
| Sprint-2 | Virtual Donor Badge | USN-7 | As a user, I can receive a virtual donor badge once I am successfully registered. | 4 | Medium | S.Srinithi |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-2 | Plasma Request | USN-8 | As a user, I can place a plasma request or donate plasma. I will include the Hospital details with the request. | 4 | High | M.Pooja  V.Nehaa  G.Suvetha |
| Sprint-2 | Verifying Request | USN-9 | As a user, I will wait until my request is verified through Administrators of the app. (We Admins | 4 | High | S.Srinithi |
| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|  |  |  | will verify the request after confirming with the concerned Hospital) |  |  | V.Nehaa  G.Suvetha |
| Sprint-2 | Verifying Donor | USN-10 | As a user, I will wait until my donorship is verified through administrators of the app. (We Admins will verify the donor from a list of registered donors and share his details to the requester.) | 4 | High | S.Srinithi |
| Sprint-3 | Donation Alarm | USN-11 | The Registered Donor is notified with an alarm and a message regarding the request. | 5 | High | M.Pooja  V.Nehaa  G.Suvetha |
| Sprint-3 | Accept the Request | USN-12 | As a Donor, I will accept the plasma request based on my interest and volunteer for the donation. | 4 | Medium | M.Pooja |
| Sprint-3 | Communication Channel | USN-13 | The Communication details of the donor will be sent to the Requester and vice versa. The Requester can personally communicate with the Donor. (Details of the donor will be provided according to the level of urgency) | 5 | High | V.Nehaa  G.Suvetha |
| Sprint-3 | Donor Details | USN-14 | The details of the volunteered donor are stored in the database. | 4 | Medium | S.Srinithi |
| Sprint-4 | Support | USN-15 | As a user, I can chat with a chatbot regarding my queries and doubts. | 3 | Medium | V.Nehaa  G.Suvetha |

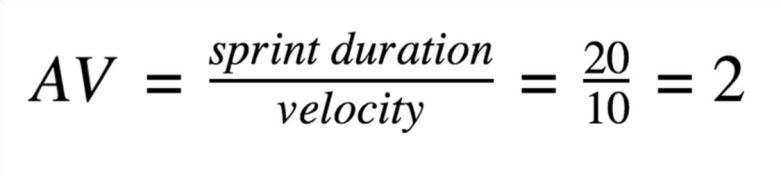
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-4 | Grievances and FAQ | USN-16 | As a user, I can post my worries and grievances in the comment section. I can also find Frequently asked Questions with answers in the FAQ section. | 3 | Medium | M.Pooja |
| Sprint-4 | Certificate and Rewards | USN-17 | As a donor, I will receive an e-certificate after donations. Virtual rewards are also provided to the donor. | 3 | Low | S.Srinithi |
| Sprint-4 | About | USN-18 | As a user, I will find about the importance of plasma donation in this section of the application. | 3 | Medium | M.Pooja |
| Sprint-4 | Administrator |  | We admins will approve all the plasma transaction in the application after proper verification. | 3 | High | M.Pooja  V.Nehaa  G.Suvetha |
| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|  |  |  |  |  |  | M.Pooja |
| Sprint-4 |  |  | We admins will update the plasma availability and donor count periodically. | 3 | Medium | M.Pooja  V.Nehaa  G.Suvetha  S.Srinithi |
| Sprint-4 |  |  | We admins will give fine touch to the application based on any updates needed in the future. | 3 | Medium | M.Pooja  V.Nehaa  G.Suvetha  S.Srinithi |

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 | 18 | 6 Days | 24 Oct 2022 | 29 Oct 2022 | 18 | 29 Oct 2022 |
| Sprint-2 | 18 | 6 Days | 31 Oct 2022 | 05 Nov 2022 | 18 | 05 Nov 2022 |
| Sprint-3 | 18 | 6 Days | 07 Nov 2022 | 12 Nov 2022 | 18 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 | 20 | 19 Nov 2022 |

Velocity:

We have a 6-day sprint duration, and the velocity of the team is 18 (points per sprint), except the Sprint-4 is 20. To calculate the team’s average velocity (AV) per iteration unit (story points per day)



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number of Sprints | Sprint-1 Sprint-2 | Sprint-3 Sprint-4 |  |  |
| Total Story Points | 18 | 18 | 18 | 20 |
| Duration | 6 Days | 6 Days | 6 Days | 6 Days |
| Average Velocity per Sprint | AV= 18/6 = 3 | AV= 18/6 =3 | AV= 18/6 =3 | AV= 20/6 = 3.33 |

Total number of days = sprint 1 + sprint 2 + sprint 3 + sprint 4 = 6 + 6 + 6 + 6 = 24

Total number of story points = 18 + 18 + 18 + 20 = 74

Average velocity per sprint = 74 / 24 ~= 3.083333 = 3

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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

