# Project Planning Phase

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

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| --- | --- |
| Date | 20 October 2022 |
| Team ID | PNT2022TMID19593 |
| Project name | Personal Assistant for Seniors Who Are Self-Reliant |

Product Backlog, Sprint Schedule, and Estimation

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional Requirement (Epic)** | **User Story Numb er** | **User Story / Task** | **Story points** | **Priority** | **Team Members** |
| Sprint 1 | Set Alarm | USN-1 | As a user, I can set an alarm to alerting a medicine through medicine remainder system | 10 | High | Vaijayanth  Santhosh  Sabari Mukundth  Sanjay |
| Sprint 1 |  | USN-2 | As a user, I can Activate and Deactivate the alarm | 10 | High | Vaijayanth  Santhosh  Sabari Mukundth  Sanjay |

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| Sprint 2 | Notification | USN-3 | As a user once I can the set the alarm then I gets the notification | 10 | High | Vaijayanth  Santhosh  Sabari Mukundth  Sanjay |
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| Sprint 2 |  | USN-4 | As a user, If I requires this system then a notification will be sent into his device. | 10 | High | Vaijayanth  Santhosh  Sabari Mukundth  Sanjay |
| Sprint 3 | Medication Detail | USN-5 | As a user, I have multiple medications each day, I | 10 | High | Vaijayanth  Santhosh  Sabari Mukundth  Sanjay |
|  |  |  | can put each pill in the box |  |  |  |
|  |  |  | for the corresponding day. |  |  |  |
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| Sprint 3 |  | USN-6 | As a user, between setting | 5 | Low | Vaijayanth  Santhosh  Sabari Mukundth  Sanjay |
|  |  | an alarm and using a |  |  |  |
|  |  | pillbox, I’ll be able to stay |  |  |  |
|  |  | on top of your medications |  |  |  |
|  |  | and not miss a dose. |  |  |  |
| Sprint 3 |  | USN-7 | As a user, I can store the | 10 | High | Vaijayanth  Santhosh  Sabari Mukundth  Sanjay |
|  |  | name of the medicine with |  |  |  |
|  |  | in description. |  |  |  |
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| Sprint 4 | GPS Tracking | USN-8 | As a user, they can also | 5 | Low | Vaijayanth  Santhosh  Sabari Mukundth  Sanjay |
|  |  |  | help large hospitals and |  |  |  |
|  |  |  | clinics manage their |  |  |  |
|  |  |  | inventory more efficiently. |  |  |  |
|  |  |  |  |  |  |  |
|  | Sensor | USN-9 | As a user, they used for keeping the record in medicine details the reminding the schedule of medicine. We have used the IoT enabled Arduino device for monitoring the system. | 10 | High | Vaijayanth  Santhosh  Sabari Mukundth  Sanjay |
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Project Tracker, Velocity & Burndown Chart:

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| --- | --- | --- | --- | --- | --- | --- |
| **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 | 8 days | 29-10-2022 | 5-11-2022 | 20 | 4-11-2022 |
| Sprint 2 | 10 | 8 days | 7-11-2022 | 14-11-2022 | 10 | 13-11-2022 |
| Sprint 3 | 20 | 8 days | 16-11-2022 | 23-11-2022 | 20 | 23-11-2022 |
| Sprint 4 | 10 | 8 days | 23-11-2022 | 30-11-2022 | 10 | 30-11-2022 |

**Velocity:** Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day).

AV = Velocity / Sprint Duration

= 20 / 8

= 2.5

AV =10 / 8

= 1.25

Burndown Chart:

**25**

300

**20**

250

200

**15**

150

**10**

100

**5**

50

**0**

0

**Start Week 1**

**Week 2**

Days

**Week 3 Week 4**

Remaining Effort

Ideal Burndown