

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

Date	09 November 2022
Team ID	PNT2022TMID29167
Project name	Personal Assistant for Seniors Who Are Self Reliant

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	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	Mohamed Mahroof
Sprint 1		USN-2	As a user, I can Activate and Deactivate the alarm	10	High	Mohammed Halik
Sprint 2	Notification	USN-3	As a user once I can the set the alarm then I gets the notification	10	High	Gurumoorthy, Jeevarathinam
Sprint 2		USN-4	As a user, If I require this system then a notification will be sent into his device.	10	High	Gurumoorthy Jeevarathinam
Sprint 3	Medication Detail	USN-5	As a user, I have multiple medications each day, I can put each pill in the box for the corresponding day.	10	High	Mohamed Mahroof

Sprint 3		USN-6	As a user, between setting an alarm and using a pillbox, I'll be able to stay on top of your medications and not miss a dose.	5	low	Mohammed Halik, Gurumoorthy
Sprint 3		USN-7	As a user, I can store the name of the medicine with its description	10	High	Mohamed Mahroof
Sprint 4	GPS Tracking	USN-8	As a user, they can also help large hospitals and clinics manage their inventory more effectively	5	Low	Jeevarathinam, Gurumoorthy
	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	Mohamed Mahroof, Mohammed Halik

Project Tracker, Velocity & Burndown Chart:

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	10-10-2022	18-10-2022	20	11-10-2022
Sprint 2	10	8 days	19-10-2022	26-10-2022	10	21-10-2022
Sprint 3	20	8 days	27-10-2022	3-11-2022	20	28-10-2022
Sprint 4	10	8 days	4-11-2022	11-11-2022	10	6-11-2022

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

$$\begin{aligned}
 AV &= \text{Velocity} / \text{Sprint Duration} \\
 &= 20 / 8 \\
 &= 2.5
 \end{aligned}$$

$$\begin{aligned}
 AV &= 10 / 8 \\
 &= 1.25
 \end{aligned}$$

Burndown Chart:

