

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

Date	26 June 2025
Team ID	LTVIP2025TMID53123
Project Name	ResolveNow: Your Platform for Online Complaints
Maximum Marks	5 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 with email, password, and confirmation.	2	High	Varshitha, Team A
Sprint-1		USN-2	As a user, I receive a confirmation email after registration.	1	High	Varshitha
Sprint-2		USN-3	As a user, I can register using Facebook.	2	Low	Team B
Sprint-1		USN-4	As a user, I can register using Gmail.	2	Medium	Varshitha
Sprint-1	Login	USN-5	As a user, I can log in with my email and password.	1	High	Team A

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Dashboard	USN-6	As a user, I can view my complaint status and history.	3	High	Team C
Sprint-3	Complaint Submission	USN-7	As a user, I can submit a new complaint through a form.	3	High	Team A
Sprint-3	Chat Feature	USN-8	As a user, I can chat with the assigned agent.	4	High	Team B
Sprint-4	Feedback System	USN-9	As a user, I can rate and provide feedback after issue resolution.	2	Medium	Team C

Project Tracker, Velocity & Burndown Chart (4 Marks)

Project Tracker Table

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	18 (Estimated)	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	16 (Estimated)	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	TBD	TBD

Velocity Calculation

Formula:

Velocity = Total Story Points Completed / Number of Sprints

- Sprint-1: 20
- Sprint-2: 18
- Sprint-3: 16
- Total Story Points = **54**
- Number of Sprints = **3**

Team Velocity = 54 / 3 = 18 Story Points per Sprint

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} = \frac{20}{10} = 2$$

Team Velocity & Average Calculation

Story Points Completed Per Sprint

Sprint		Story Points Completed
Sprint-1	20	
Sprint-2	18	

Sprint	Story Points Completed
Sprint-3	16
Total	54

Average Story Points per Day

Assuming each sprint = **6 working days**, then:

Average = Velocity / Sprint Duration

Average = 18 story points / 6 days = **3 story points per day**

BURNDOWN CHART EXPLANATION

A **Burndown Chart** tracks the total remaining work (story points) against time (days). It helps monitor sprint progress and whether the team is on track to finish tasks within the sprint timeline.

- X-axis: Time (Sprint Days)
- Y-axis: Remaining Story Points
- Ideal line: Declines linearly from total points to zero
- Actual line: Shows real progress based on completed story points daily

References

1. **Scrum Burndown Chart Overview**
<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>
2. **Burndown Charts Tutorial**
<https://www.atlassian.com/agile/tutorials/burndown-charts>
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4. **How to Do Scrum with Jira Software**
<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>
5. **Understanding Epics in Agile**
<https://www.atlassian.com/agile/tutorials/epics>
6. **Introduction to Sprints**
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7. **Agile Estimation Methods**
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