

Project Planning Phase

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

Date	26 October 2023
Team ID	590943
Project Name	ChatConnect - A Real-Time Chat And Communication App
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.	2	High	Devendra
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Devendra
Sprint-2		USN-3	As a user, I can register for the application through Google	2	Low	Devendra
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Devendra
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Devendra
	Dashboard	USN-6	As a user, I can chat with bot	1	Medium	Devendra
Sprint-3		USN-7	As a user, I can edit my profile information.	2	Medium	Devendra
Sprint-3		USN-8	As a user, I receive real-time notifications for new messages.	2	Medium	Devendra
Sprint-4		USN-9	As a user, I can start one-on-one chats with other users.	3	High	Devendra

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	20	3 Days	22 Oct 2023	25 Oct 2023	20	25 Oct 2023
Sprint-2	20	2 Days	25 Oct 2023	27 Oct 2023	20	27 Oct 2023
Sprint-3	20	2 Days	27 Oct 2023	29 Oct 2023	20	29 Oct 2023
Sprint-4	20	3 Days	29 Oct 2023	1 Nov 2023	20	1 Nov 2023

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)

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

Burndown Chart:

A burndown 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.

<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>

<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<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/epics>

<https://www.atlassian.com/agile/tutorials/sprints>

<https://www.atlassian.com/agile/project-management/estimation>

<https://www.atlassian.com/agile/tutorials/burndown-charts>