

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID53234
Project Name	Project - News Tracker Application
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
1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Mohana R
1		USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Nabeel Hussain M N
1		USN-3	As a user, I can register for the application through Gmail	2	Medium	Paarkeshvaran R
1	Authentication	USN-4	As a user, I can log into the application by entering email & password.	2	High	Ujjwaleshwar Srikanth
1		USN-5	As a user, I can log out of the web app.	2	High	Paarkeshvaran R
1		USN-7	As a registered user I can reset my password, so that I can login again when I forget I forget my password	3	High	Mohana R
2	Sharing	USN-8	As a logged user, I can add comments to a news article.	5	High	Ujjwaleshwar Srikanth, Paarkeshvaran R
3		USN-9	As a logged user, I can share an article in social media (Google).	5	Medium	Ujjwaleshwar Srikanth Paarkeshvaran R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team members
2	Reading News	USN-12	As an unregistered user, I can view articles that are trending.	3	High	Mohana R
2		USN-13	As an external system, it can return content based on parameters received in the request.	2	High	Nabeel Hussain M N
3	Searching	USN-10	As a logged user, I can search / view articles on specific topics.	3	High	Ujjwaleshwar Srikanth
3		USN-11	As an unregistered user, I can search articles on specific topics.	3	High	Nabeel Hussain M N
4	News Personalization	USN-14	As an external system, it can categorize news based on topics.	8	High	Nabeel Hussain M N Mohana R Ujjwaleshwar Srikanth
4		USN-15	As an external system, it can aggregate news on similar topics.	3	High	Paarkeshvaran R
2		USN-6	As a logged user, I can view articles of my preference on my dashboard.	5	High	Mohana R, Nabeel Hussain M N

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	13	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	15	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	11	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	11	6 Days	14 Nov 2022	19 Nov 2022		

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)

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

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.

<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>