

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID02315
Project Name	Inventory Management System for Retailers
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 StoryNumber	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.	5	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-3		USN-4	As a user, I can register for the application.	8	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-1	Login	USN-5	As a user, I can log into the application byentering email & password	5	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-1	Dashboard	USN-5	As a user, I must be able to see my details onthe dashboard.	3	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S

Sprint-2		USN-6	As a user, I should be able to change password whenever I prefer.	2	Medium	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-1	Inventory	USN-7	As a retailer, I should be able to alter product details in the app	2	Medium	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-2		USN-8	As a retailer, I should be able to add or remove quantity of products in the app.	3	Medium	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-2		USN-9	As a retailer, I should get alert on stock shortage or unavailability.	5	Medium	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-1	Order	USN-7	As a user, I should be able to order items on the app	2	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-4	Maintenance	USN-1	As a administrator, I should be able to edit details of the users of the app.	8	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-4		USN-2	Termination user accounts temporarily or permanently if needed.	5	Low	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S
Sprint-2	Feedback	USN-1	As a customer care team member, I should be able to get feedback from the users.	2	High	Sundararajan S Udhayachandiran S B Venkatesan R S Vijay Adithya R S

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	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	5 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19

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)

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

<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>