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

Date	18 October 2022
Team ID	PNT2022TMID13093
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 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.	5	High	Yaswanth M Abishek L R
Sprint-2		USN-2	As a user, I will receive confirmation email once I have registered for the application	3	Medium	Prediksha R L Kaaviya A
Sprint-4		USN-3	As a user, I can register for the application through Facebook	8	Low	Abishek L R Prediksha R L
Sprint-3		USN-4	As a user, I can register for the application through Gmail	8	High	Yaswanth M Kaaviya A
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	5	High	Yaswanth M Abishek L R
Sprint-2		USN-4	As a user, I can login into the application through Google one Tap Sign in	3	Medium	Prediksha R L Kaaviya A
Sprint-1	Dashboard	USN-5	As a user, I must be able to see my details on the dashboard.	3	High	Yaswanth M Abishek L R
Sprint-2		USN-6	As a user, I should be able to change password whenever I prefer.	2	Medium	Yaswanth M Kaaviya A
Sprint-1	Inventory	USN-7	As a retailer, I should be able to alter product details in the app	2	Medium	Yaswanth M Abishek L R
Sprint-2		USN-8	As a retailer, I should be able to add or remove quantity of products in the app.	3	Medium	Abishek L R Prediksha R L

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-9	As a retailer, I should get alert on stock shortage or unavailability.	5	Medium	Prediksha R L Kaaviya A
Sprint-1	Order	USN-7	As a user, I should be able to order items on the app	2	High	Yaswanth M Abishek L R
Sprint-1		USN-8	As a user, I should be able to verify and pay in a secure payment gateway	3	High	Yaswanth M Kaaviya A
Sprint-3		USN-9	As a user, I should be able to get the product on time.	5	Low	Yaswanth M Abishek L R
Sprint-4	Maintenance	USN-1	As a administrator, I should be able to edit details of the users of the app.	8	High	Abishek L R Prediksha R L
Sprint-4		USN-2	Termination user accounts temporarily or permanently if needed.	5	Low	Yaswanth M Abishek L R
Sprint-2	Feedback	USN-1	As a customer care team member, I should be able to get feedback from the users.	2	High	Prediksha R L Kaaviya A
Sprint-3		USN-2	As a customer care team member, I should be available 24/7 to increase customer base	8	Medium	Abishek L R Prediksha R L

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	18	6 Days	31 Oct 2022	05 Nov 2022	18	05 Nov 2022
Sprint-3	21	6 Days	07 Nov 2022	12 Nov 2022	21	12 Nov 2022
Sprint-4	21	6 Days	14 Nov 2022	19 Nov 2022	21	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)

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

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