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

Date	18 October 2022
Team ID	PNT2022TMID01394
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 confirmingmy password.	5	High	Sneha P D Swathyshree P Yuvarani K Supraja C
Sprint-2		USN-2	As a user, I will receive confirmation email oncel have registered for the application	3	Medium	Sneha P D Swathyshree P Yuvarani K Supraja C Shafinian Aro A
Sprint-4		USN-3	As a user, I can register for the applicationthrough Facebook	8	Low	Sneha P D Swathyshree P Yuvarani K Shafinian Aro A
Sprint-3		USN-4	As a user, I can register for the applicationthrough Gmail	8	High	Sneha P D Swathyshree P Yuvarani K

Sprint-1	Login	USN-5	As a user, I can log into the application byentering email & password	5	High	Sneha P D Swathyshree P
Sprint-2		USN-4	As a user, I can login into the applicationthrough Google one Tap Sign in	3	Medium	Sneha P D Swathyshree P
Sprint-1	Dashboard	USN-5	As a user, I must be able to see my details onthe dashboard.	3	High	Sneha P D Swathyshree P Yuvarani K Supraja C Shafinian Aro A
Sprint-2		USN-6	As a user, I should be able to change passwordwhenever I prefer.	2	Medium	Sneha P D Swathyshree P Yuvarani K Supraja C Shafinian Aro A
Sprint-1	Inventory	USN-7	As a retailer, I should be able to alter productdetails in the app	2	Medium	Sneha P D Swathyshree P Yuvarani K Supraja C Shafinian Aro A
Sprint-2		USN-8	As a retailer, I should be able to add or removequantity of products in the app.	3	Medium	Sneha P D Swathyshree P Yuvarani K Supraja C Shafinian Aro A

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	Sneha P D Swathyshree P Yuvarani K Supraja C Shafinian Aro A
Sprint-1	Order	USN-7	As a user, I should be able to order items on the app	2	High	Sneha P D Swathyshree P Yuvarani K Supraja C Shafinian Aro A
Sprint-1		USN-8	As a user, I should be able to verify and pay in a secure payment gateway	3	High	Sneha P D Swathyshree P Yuvarani K Supraja C Shafinian Aro A
Sprint-3		USN-9	As a user, I should be able to get the product on time.	5	Low	Sneha P D Swathyshree P Yuvarani K Supraja C Shafinian Aro A
Sprint-4	Maintenance	USN-1	As a administrator, I should be able to edit details of the users of the app.	8	High	Sneha P D Swathyshree P Yuvarani K Supraja C Shafinian Aro A
Sprint-4		USN-2	Termination user accounts temporarily or permanently if needed.	5	Low	Sneha P D Swathyshree P Yuvarani K
Sprint-2	Feedback	USN-1	As a customer care team member, I should be able to get feedback from the users.	2	High	Sneha P D Swathyshree P Yuvarani K Supraja C Shafinian Aro A
Sprint-3		USN-2	As a customer care team member, I should be available 24/7 to increase customer base	8	Medium	Sneha P D Swathyshree P Yuvarani K Supraja C Shafinian Aro A

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