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

Date	22 October 2022
Team ID	PNT2022TMID27449
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	Ashik Varghese Chris Sasan Doss Jawin Arivumathi
Sprint-2		USN-2	As a user, I will receive confirmation email once I have registered for the application	3	Medium	Ashik Varghese Chris Sasan Doss Jawin Arivumathi
Sprint-4		USN-3	As a user, I can register for the application through Face book	8	Low	Ashik Varghese Chris Sasan Doss Jawin Arivumathi
Sprint-3		USN-4	As a user, I can register for the application through Gmail	8	High	Asmir Khan Ashik Varghese Chris Sasan Doss Jawin Arivumathi
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	5	High	Asmir Khan Ashik Varghese Jawin Arivumathi Chris Sasan Doss
Sprint-2		USN-4	As a user, I can login into the application through Google one Tap Sign in	3	Medium	Asmir Khan Ashik Varghese Jawin Arivumathi
Sprint-1	Dashboard	USN-5	As a user, I must be able to see my details on the dashboard.	3	High	Asmir Khan Ashik Varghese Chris Sasan Doss

Sprint		USN	User Story		Priority	Assigned To
Sprint-2		USN-6	As a user, I should be able to change password whenever I prefer.	2	Medium	Asmir Khan Chris Sasan Doss Jawin Arivumathi
Sprint-1	Inventory	USN-7	As a retailer, I should be able to alter product details in the app	2	Medium	Asmir Khan Ashik Varghese Chris Sasan Doss
Sprint-2		USN-8	As a retailer, I should be able to add or remove quantity of products in the app.	3	Medium	Asmir Khan Ashik Varghese Jawin Arivumathi
Sprint-2		USN-9	As a retailer, I should get alert on stock shortage or unavailability.	5	Medium	Asmir Khan Ashik Varghese
Sprint-1	Order	USN-7	As a user, I should be able to order items on the app	2	High	Ashik Varghese Chris Sasan Doss Jawin Arivumathi
Sprint-1		USN-8	As a user, I should be able to verify and pay in a secure payment gateway	3	High	Asmir Khan Ashik Varghese Chris Sasan Doss Jawin Arivumathi
Sprint-3		USN-9	As a user, I should be able to get the product on time.	5	Low	Ashik Varghese Chris Sasan Doss Jawin Arivumathi
Sprint-4	Maintenance	USN-1	As a administrator, I should be able to edit details of the users of the app.	8	High	Asmir Khan Ashik Varghese Chris Sasan Doss Jawin Arivumathi
Sprint-4		USN-2	Termination user accounts temporarily or permanently if needed.	5	Low	Ashik Varghese Chris Sasan Doss
Sprint-2	Feedback	USN-1	As a customer care team member, I should be able to get feedback from the users.	2	High	Asmir Khan Ashik Varghese Chris Sasan Doss Jawin Arivumathi
Sprint-3		USN-2	As a customer care team member, I should be available 24/7 to increase customer base	8	Medium	Asmir Khan Ashik Varghese Chris Sasan Doss Jawin Arivumathi

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