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

Date	23 October 2022
Team ID	PNT2022TMID13832
Project Name	Inventory Management 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.	3	medium	Silambarasan V, Thavasi S, Vijaya Shankar P, Prabhudeva B
Sprint-1	Registration	USN-2	As a user, I will receive a confirmation email once I have registered for the application	2	low	Silambarasan V, Thavasi S, Vijaya Shankar P, Prabhudeva B
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	2	low	Silambarasan V, Thavasi S, Vijaya Shankar P, Prabhudeva B

Sprint		USN				
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	5	high	Silambarasan V, Thavasi S, Vijaya Shankar P, Prabhudeva B
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	2	low	Silambarasan V, Thavasi S, Vijaya Shankar P, Prabhudeva B
Sprint-1	Dashboard	USN-6	As a user, I must be able to see my details on the dashboard	1	low	Silambarasan V, Thavasi S, Vijaya Shankar P, Prabhudeva B
Sprint-1	Dashboard	USN-7	As a user, I should be able to change my account settings whenever I prefer.	3	medium	Silambarasan V, Thavasi S, Vijaya Shankar P, Prabhudeva B
Sprint-2	Inventory	USN-8	As a retailer, I should be able to alter product details	5	high	Silambarasan V, Thavasi S, Vijaya Shankar P, Prabhudeva B
Sprint-2	Inventory	USN-9	As a retailer, I should be able to add or reduce the number of product	2	medium	Silambarasan V, Thavasi S, Vijaya Shankar P, Prabhudeva B
Sprint-3	Inventory	USN-10	As a retailer, I should be able to get alert or notification on shortage of stock via email	2	low	Silambarasan V, Thavasi S, Vijaya Shankar P, Prabhudeva B

| Sprint-3 | Communication | USN-11 | As a user, I should be able to get the needed details with the help of a chat bot | 5 | high | Silambarasan V, Thavasi S, Vijaya Shankar P, Prabhudeva B |
| Sprint-4 | Maintenance | USN-12 | As an admin, I should be able to access control | 5 | high | Silambarasan V, Thavasi S, Vijaya Shankar P, Prabhudeva B |

Project Tracker, Velocity & Burndown Chart: (4 Marks)

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

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

Burndown Chart:

Sprints	OCT 24	25	26	27	28	29	30	NOV 31	1	2	3	4	5	6	NOV 7	8	9	10	11	12	13	NOV 14	15	16	17	18	19	20	21	22	23
	SFRA Sprint 1							SFRA Sprint 2							SFRA Sprint 3							SFRA Sprint 4									
SFRA-1 Creating Register/login page	▓																														
SFRA-2 home page of e-commerce website		▓																													
SFRA-3 Creating buying products page			▓																												
SFRA-4 Creating Cart page				▓																											
SFRA-5 Create Database For products and user det...					▓																										
SFRA-6 Completing the User panel						▓																									
SFRA-7 Creating UI for Admin Panel								▓																							
SFRA-8 Creating database connection for admin pa...										▓																					
SFRA-9 Completing the Admin panel												▓																			
SFRA-10 Creating chatbot for application															▓																
SFRA-11 Adding Features of Chatbot																▓															
SFRA-12 integrate ChatBot with Web site																		▓													
SFRA-13 Completing Chatbot																				▓											
SFRA-14 Testing And Debugging The application																						▓									
SFRA-15 Container of applications																								▓							
SFRA-16 deploy the application																										▓					