

Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID48338
Project Name	Smart Fashion Recommender Application
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.	8	High	Kalaivani
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	Balamurugan
Sprint-1		USN-3	As a user, I can register for the application through Gmail	2	Medium	Kumaragurumoorthy
Sprint-1	Login	USN-1	As a user, I can login to the application by entering email & password	6	High	Catherine
Sprint-2	Dashboard	USN-1	As a user, I can see multiple products in the Homepage.	3	Medium	Catherine
Sprint-2		USN-2	As a user, I can see the chatbot icon on the bottom right	1	High	Kumaragurumoorthy
Sprint-2		USN-3	As a user, I can open the chatbot and can ask queries	1	Medium	Kalaivani
Sprint-2	Chatbot	USN-1	Chatbot analyse user's request	8	High	Balamurugan
Sprint-2		USN-2	As a user, I can receive product recommendation based on the queries from the chatbot	7	High	Kumaragurumoorthy
Sprint-3	Admin	USN-1	As an admin, I can check the availability of the selected product	6	High	Kalaivani

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-2	As an admin, I can track of all the things that the users are purchasing.	4	High	Catherine
Sprint-3	Order	USN-1	As a user, I can directly order the product via chatbot	6	High	Balamurugan
Sprint-3		USN-2	As a user, I can add the available product items to cart	4	Medium	Kumaragurmoorthy
Sprint-4	Payment	USN-1	As a user, I can proceed to payment via Cash on delivery or Online Payment	4	High	Catherine
Sprint-4		USN-2	After order confirmation, a notification will be sent to the user by the chatbot	3	High	Kalaivani
Sprint-4	Review	USN-1	As a user, I can share my shopping experience and give product review	3	High	Kalaivani
Sprint-4	Final deliverables	USN-1	Containerize the application by using Docker and Kubernetes	7	High	Balamurugan
Sprint-4		USN-2	Deploy the application in the IBM Cloud	3	High	Kumaragurumoorthy

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		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)

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

Burndown Chart:

	NOV							NOV							NOV						
	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
Sprints	SFRA Sprint 3							SFRA Sprint 4													
▼ ⚡ SFRA-2 Registration																					
📌 SFRA-1 As a user, I ca... IN PROGRESS KALAIVANI																					
📌 SFRA-4 As a user, I... IN PROGRESS BALAMURU...																					
📌 SFRA-5 As a user, I c... IN PROGRESS KUMARAG...																					
▼ ⚡ SFRA-7 Login																					
📌 SFRA-8 As a user, I... IN PROGRESS CATHERINE...																					
▼ ⚡ SFRA-3 Dashboard																					
📌 SFRA-10 As a user, I c... IN PROGRESS KALAIVANI																					
📌 SFRA-6 As a user, I... IN PROGRESS CATHERINE...																					
📌 SFRA-9 As a user, I c... IN PROGRESS KUMARAG...																					
▼ ⚡ SFRA-11 Chatbot																					
📌 SFRA-15 As a user, I... IN PROGRESS KUMARAG...																					
📌 SFRA-12 Chatbot an... IN PROGRESS BALAMURU...																					
▼ ⚡ SFRA-17 Admin																					
📌 SFRA-13 As an admin,... IN PROGRESS KALAIVANI																					
📌 SFRA-14 As an admi... IN PROGRESS CATHERINE...																					
▼ ⚡ SFRA-18 Order																					
📌 SFRA-19 As a user, I... IN PROGRESS KUMARAG...																					
📌 SFRA-16 As a user,... IN PROGRESS BALAMURU...																					
▼ ⚡ SFRA-20 Payment																					
📌 SFRA-23 After order c... IN PROGRESS KALAIVANI																					