

Project Planning Phase

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

Date	22 June 2024
Team ID	SWTID1720171853
Project Name	Project - Food Ordering System
Maximum Marks	4 Marks

Product Backlog, Sprint Schedule, and Estimation (2 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	Sign Up	USN-1	As a user, I can register for the application by entering my email, password.	3	High	KISHORE BABU U, BUVANESWARAN. A.S, SABAREGIRIVASAN. M.
Sprint-1	Login	USN-2	As a user, I want to be able to login in to the application by entering username and password	2	High	SABAREGIRIVASAN. M, KISHORE BABU U.
Sprint-1	Add items	USN-3	As a user, I can add items to the cart by clicking the item.	3	High	BUVANESWARAN. A.S, SABAREGIRIVASAN. M.
Sprint-1	Cart	USN-4	As a user, I can view items added to my cart and the bill.	4	High	BUVANESWARAN. A.S, KISHORE BABU U.
Sprint-1	Cart	USN-5	As a user, I can remove items from the cart.	3	Medium	KISHORE BABU U, BUVANESWARAN. A.S.
Sprint-2	Checkout	USN-6	As a user, I want to be able to enter the delivery details	2	Medium	BUVANESWARAN. A.S.
Sprint-2	Payment	USN-7	As a user, I can pay for the items that have been added to the cart.	5	High	BUVANESWARAN. A.S, SABAREGIRIVASAN. M, KISHORE BABU U.
Sprint-2	My Orders	USN-8	As a user, I can track food order.	2	Medium	SABAREGIRIVASAN. M.
Sprint-2	My Orders	USN-9	As a user, I can look at the status of the food.	2	Medium	KISHORE BABU U.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Orders	USN-10	As an admin, I can look at the orders that have been placed.	4	High	BUVANESWARAN. A.S, SABAREGIRIVASAN. M.
Sprint-3	Orders	USN-11	As an admin, I can change the status of the food that has been ordered.	2	Low	BUVANESWARAN. A.S.
Sprint-3	List items	USN-12	As an admin, I can view and delete the list of items shown to the user.	3	High	KISHORE BABU U, BUVANESWARAN. A.S.
Sprint-3	Add items	USN-13	As an admin, I can add new items to the item list that is being shown to the user.	3	High	SABAREGIRIVASAN. M, BUVANESWARAN. A.S.
Sprint-3	Server	USN-14	Create the server to make the website functional.	2	High	KISHORE BABU U.
Sprint-4	Database Connection	USN-15	Create and integrate MongoDB with the different front-end modules.	3	High	BUVANESWARAN. A.S, SABAREGIRIVASAN. M, KISHORE BABU U.
Sprint-4	Sign Up/ login backend	USN-16	Create the backend required to make the login functional.	4	High	BUVANESWARAN. A.S, KISHORE BABU U.
Sprint-4	Fetch Food	USN-17	Fetch data from database and show it in front-end	2	Medium	SABAREGIRIVASAN. M.
Sprint-4	Cart	USN-18	Adding functionality to the cart.	3	High	BUVANESWARAN. A.S, SABAREGIRIVASAN. M.
Sprint-5	Payment	USN-19	Making the payment page functional by creating backend.	3	High	SABAREGIRIVASAN. M, KISHORE BABU U.
Sprint-5	Payment	USN-20	Integrating payment module with Stripe API.	3	High	SABAREGIRIVASAN. M, KISHORE BABU U.
Sprint-5	My Orders	USN-21	Create the backend functionalities of the My orders page of the user.	2	Medium	BUVANESWARAN. A.S.
Sprint-5	Orders	USN-22	Create connection with the users 'My orders' and the admin 'Orders' page	2	Medium	KISHORE BABU U.
Sprint-5	Orders	USN-23	Make changes to 'My Orders' when admin changes the status in 'Orders'	2	Low	BUVANESWARAN. A.S.

Project Tracker, Velocity & Burndown Chart: (2 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	15	9 Days	20 Jun 2024	28 Jun 2024	15	27 Jun 2024
Sprint-2	11	7 Days	23 Jun 2024	29 Jun 2024	11	29 Jun 2024
Sprint-3	14	9 Days	25 Jun 2024	3 Jul 2024	14	2 Jul 2024
Sprint-4	12	7 Days	27 Jun 2024	3 Jul 2024	12	3 Jul 2024
Sprint-5	12	8 Days	28 Jun 2024	5 Jul 2024	12	5 Jul 2024

Velocity:

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}}$$

Sprint-1 Velocity:

Velocity = 15 / 9 = 1.667 story points per day

Sprint-2 Velocity:

Velocity = $11 / 7 = 1.571$ story points per day

Sprint-3 Velocity:

Velocity = $14 / 9 = 1.556$ story points per day

Sprint-4 Velocity:

Velocity = $12 / 7 = 1.714$ story points per day

Sprint-5 Velocity:

Velocity = $12 / 8 = 1.5$ story points per day