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

Date	6 July 2024
Team ID	SWTID1720110658
Project Name	Book Store
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	Registration	USN-1	As a user, I can register for the application by entering my Firstname,lastname, email, contact information, password, and confirming my password, address,city,state,country,postal code,DOB, prefered genre.	6	High	
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	
Sprint-1	Registration	USN-3	As a user, I can register for the application through Gmail	6	Medium	
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password.	5	High	
Sprint-1	Login	USN-5	As a user, I can log into the application by Gmail directly	3	High	
Sprint-2	Book Listing	USN-6	As a user, I can view a list of available books with details like title, author, genre, description, price, and availability status.	10	High	
Sprint-2	Book Selection	USN-7	As a user, I can filter and select books based on genre, author, ratings, and popularity.	5	High	
Sprint-2	Cart Functionality	USN-8	As a user, I can add books to my cart and specify quantities.	5	High	

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Purchase Process	USN-9	As a user, I can securely purchase books, generating an order and updating inventory.	5	High	
Sprint-3	Order Confirmation	USN-10	As a user, I receive an order confirmation with details of my order.	5	High	
Sprint-4	Order History	USN-11	As a user, I can view my past and current orders, track shipments, and rate my shopping experience.	10	Medium	
Sprint-5	Organizer Dashboard	USN-12	As an organizer, I can manage book listings, inventory levels, and orders.	5	High	
Sprint-5	Organizer Dashboard	USN-13	As an organizer, I can create, view, and update book items.	5	High	
Sprint-6	Admin Dashboard	USN-14	As an admin, I can manage user accounts, orders, and platform-related activities.	5	High	
Sprint-6	Admin Dashboard	USN-15	As an admin, I can manage user and organizer accounts comprehensively.	5	High	
Sprint-7	Integration	USN-16	As a user, I can securely make payments through a third-party payment API.	5	High	
Sprint-7	Integration	USN-17	As a user, I can track shipments through a third-party shipping logistics API.	5	Medium	
Sprint-7	Integration	USN-18	As a user, I can receive book recommendations through a third-party API.	5	Medium	

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	25	2 Days	5 July 2024	6 July 2024	25	6 July 2024
Sprint-2	20	2 Days	6 July 2024	7 July 2024	45	7 July 2024
Sprint-3	10	2 Days	7 July 2024	8 July 2024	55	8 July 2024
Sprint-4	10	1 Days	8 July 2024	8 July 2024	65	8 July 2024
Sprint-5	10	2 Days	9 July 2024	10 July 2024	75	9 July 2024
Sprint-6	10	2 Days	10 July 2024	11 July 2024	85	10 July 2024
Sprint-7	15	1 Day	12 July 2024	12 July 2024	100	12 July 2024

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)

Velocity for Sprint1:

V = 25/2 = 12.5

Velocity for Sprint2:

V = 20/2 = 10

Velocity for Sprint3,4,5,6:

V = 10/2 = 5

Velocity for Sprint7:

V = 15/2 = 7.5

Average Velocity = 50/7 = 7.14

Burndown Chart:

A burndown 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.

SCRUM Sprint 1 ✎ Add dates (2 issues)   0 0 0 **Start sprint** ⋯

☐ 🟩 SCRUM-4 Registration Form for user ✎   + Epic   TO DO ⌄   - 👤 ⋯

☐ 🟩 SCRUM-5 Login Form for User   TO DO ⌄   - 👤

➕ Create issue

2 issues | Estimate: **0**

SCRUM Sprint 2 ✎ Add dates (3 issues)   0 0 0 **Start sprint** ⋯

🟩 SCRUM-6 Book Listing Page(Landing Page)   TO DO ⌄   - 👤

🟩 SCRUM-7 Book selection and Filtering   TO DO ⌄   - 👤

🟩 SCRUM-8 Cart   TO DO ⌄   - 👤

➕ Create issue

3 issues | Estimate: **0**

SCRUM Sprint 3 ✎ Add dates (3 issues)   0 0 0 **Start sprint** ⋯

🟩 SCRUM-9 Purchase Process   TO DO ⌄   - 👤

🟩 SCRUM-10 Order confirmation   TO DO ⌄   - 👤

🟩 SCRUM-11 Order History   TO DO ⌄   - 👤

➕ Create issue

☐ ⌄ SCRUM Sprint 4 ✎ Add dates (1 issue)   0 **0** **0** Start sprint •••

🔖 SCRUM-12 Organisor Dashboard   TO DO ⌄   - 👤

＋ Create issue

                                        ⇕   1 issue | Estimate: **0**

☐ ⌄ SCRUM Sprint 5 ✎ Add dates (1 issue)   0 **0** **0** Start sprint •••

🔖 SCRUM-13 Admin Dashboard   TO DO ⌄   - 👤

＋ Create issue

                                        ⇕   1 issue | Estimate: **0**

☐ ⌄ SCRUM Sprint 6 ✎ Add dates (1 issue)   0 **0** **0** Start sprint •••

🔖 SCRUM-14 Integration of backend,frontend and database(external APIs)   TO DO ⌄   - 👤

＋ Create issue

                                        ⇕   1 issue | Estimate: **0**