**Project Planning Phase**

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

|  |  |
| --- | --- |
| Date | 09 July 2024 |
| Team ID | SWTID1720068764 |
| 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

| **print** | **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, and password, and confirming my password. | 2 | High | Sricharan |
| Sprint-1 | Registration | USN-2 | As a user, I will receive confirmation acknowledgment once I have registered for the application. | 2 | High | Sricharan |
| Sprint-1 | Registration | USN-3 | As a user, I can register for the application through Gmail. | 4 | Medium | Vamsi |
| Sprint-1 | Login | USN-4 | As a user, I can log into the application by entering my email & password. | 3 | High | Vamsi |
| Sprint-1 | Logout | USN-5 | As a user, I can log out from the application. | 1 | Medium | Vamsi |
| Sprint-1 | Dashboard | USN-6 | Implement a user dashboard displaying personalized recommendations and user profile information. | 3 | Medium | Praneeth |
| Sprint-2 | Book Catalog | USN-7 | I can view a catalog of available books on the platform as a user. | 3 | High | Praneeth |
| Sprint-2 | Book Catalog | USN-8 | As a user, I can search for books by title, author, or genre. | 5 | High | Praneeth |
| Sprint-2 | Book Details | USN-9 | As a user, I can view detailed information about a selected book. | 3 | Medium | Praneeth |
| Sprint-2 | Shopping Cart | USN-10 | As a user, I can add books to a shopping cart while browsing. | 4 | High | Nithin |
| Sprint-3 | Checkout | USN-11 | As a user, I can proceed to checkout and purchase selected books. | 5 | High | Sricharan |
| Sprint-3 | Payment | USN-12 | As a user, I can securely enter payment details and complete a purchase. | 9 | High | Nithin |
| Sprint-3 | Order History | USN-13 | As a user, I can view my order history and track the status of my orders. | 6 | Medium | Nithin |
| Sprint-4 | User Profile | USN-14 | As a user, I can update my profile information (name, email, password, etc.). | 8 | Medium | Nithin |
| Sprint-4 | Wishlist | USN-15 | As a user, I can add books to and manage my wish list. | 9 | Low | Praneeth |
| Sprint-4 | Reviews | USN-16 | As a user, I can view and submit reviews/ratings for books. | 8 | Medium | Sricharan |
| Sprint-5 | Admin Dashboard | USN-17 | As an admin, I can view and manage user accounts and book listings. | 5 | High | Vamsi |
| Sprint-5 | Inventory Management | USN-18 | As an admin, I can add, edit, and remove books from the catalog. | 10 | High | Nithin |
| Sprint-5 | Reporting | USN-19 | As an admin, I can generate reports on sales, user activities, etc. | 10 | Medium | Sricharan |

**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 | 4 days | June 20, 2024 | June 23, 2024 | 15 | June 20, 2024 |
| Sprint-2 | 15 | 4 days | June 24, 2024 | June 27, 2024 | 15 | June 24, 2024 |
| Sprint-3 | 20 | 4 days | June 28, 2024 | July 1, 2024 | 20 | June 28, 2024 |
| Sprint-4 | 25 | 4 days | July 2, 2024 | July 5, 2024 | 25 | July 2, 2024 |
| Sprint-5 | 25 | 4 days | July 6, 2024 | July 9, 2024 | 25 | July 6, 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)



**Burndown Chart:**

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile[software development](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). 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.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](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/how-to-do-scrum-with-jira-software)

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