**Project Planning Phase**

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

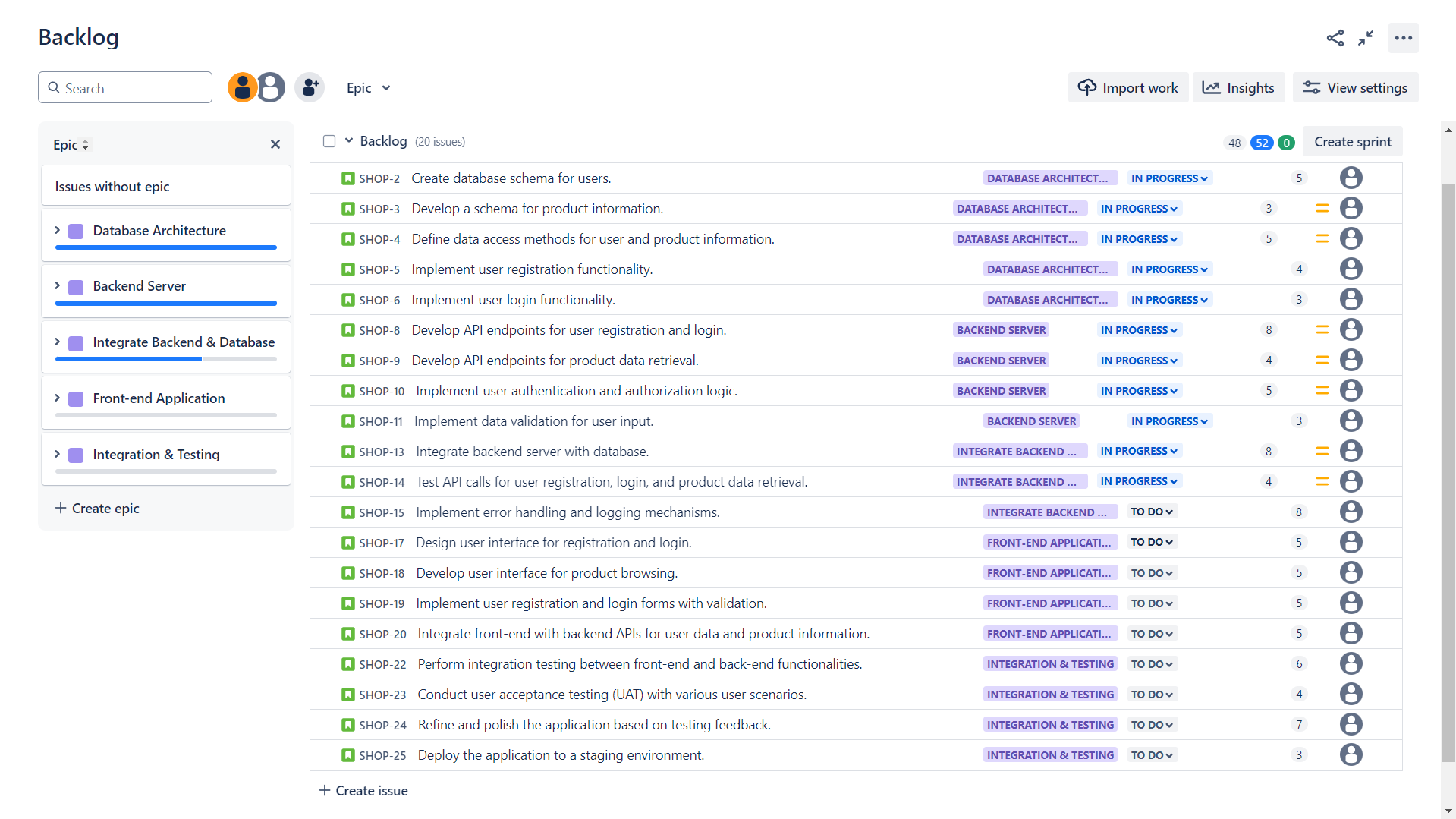
|  |  |
| --- | --- |
| Date | 25 June 2024 |
| Team ID | SWTID1719938064 |
| Project Name | ShopEZ: E-Commerce Application |
| Maximum Marks | 4 Marks |

**Product Backlog, Sprint Schedule, and Estimation (2 Marks)**

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | Database Architecture | USN-1 | \* Create database schema for users.  \* Develop a schema for product information.  \* Define data access methods for user and product information. | 13  (5+3+5) | High | Mokshagna,  Dwijesh |
|  |  | USN-2 | \* Implement user registration functionality.  \* Implement user login functionality. | 7  (4+3) | High | Mokshagna,  Dwijesh |
| Sprint-2 | Backend Server | USN-3 | \* Develop API endpoints for user registration and login.  \* Develop API endpoints for product data retrieval. | 12  (8+4) | High | Nikhlesh,  Sranath |
|  |  | USN-4 | \* Implement user authentication and authorization logic.  \* Implement data validation for user input. | 8  (5+3) | Medium | Nikhlesh,  Sranath |
| Sprint-3 | Integrate Backend & Database | USN-5 | \* Integrate backend server with database.  \* Test API calls for user registration, login, and product data retrieval. | 12  (8+4) | High | Mokshagna,  Nikhlesh |
|  |  | USN-6 | \* Implement error handling and logging mechanisms. | 8 | Medium | Mokshagna,  Nikhlesh |
| Sprint-4 | Front-end Application | USN-7 | \* Design user interface for registration and login. \* Develop user interface for product browsing. | 10  (5+5) | High | Dwijesh,  Sranath |
|  |  | USN-8 | \* Implement user registration and login forms with validation.  \* Integrate front-end with backend APIs for user data and product information. | 10  (5+5) | High | Dwijesh,  Sranath |
| Sprint-5 | Integration & Testing | USN-9 | \* Perform integration testing between front-end and back-end functionalities.  \* Conduct user acceptance testing (UAT) with various user scenarios. | 10  (6+4) | High | Mokshagna,  Sranath |
|  |  | USN-10 | \* Refine and polish the application based on testing feedback.  \* Deploy the application to a staging environment. | 10  (7+3) | Medium | Nikhlesh,  Dwijesh |

**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 | 20 | 3 Days | 25 June 2024 | 27 June 2024 | 20 |  |
| Sprint-2 | 20 | 3 Days | 28 June 2024 | 30 June 2024 | 20 |  |
| Sprint-3 | 20 | 5 Days | 1 July 2024 | 5 July 2024 | 20 |  |
| Sprint-4 | 20 | 3 Days | 6 July 2024 | 8 July 2024 |  |  |
| Sprint-5 | 20 | 3 Days | 9 July 2024 | 11 July 2024 |  |  |

****