**Project Planning Phase**

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

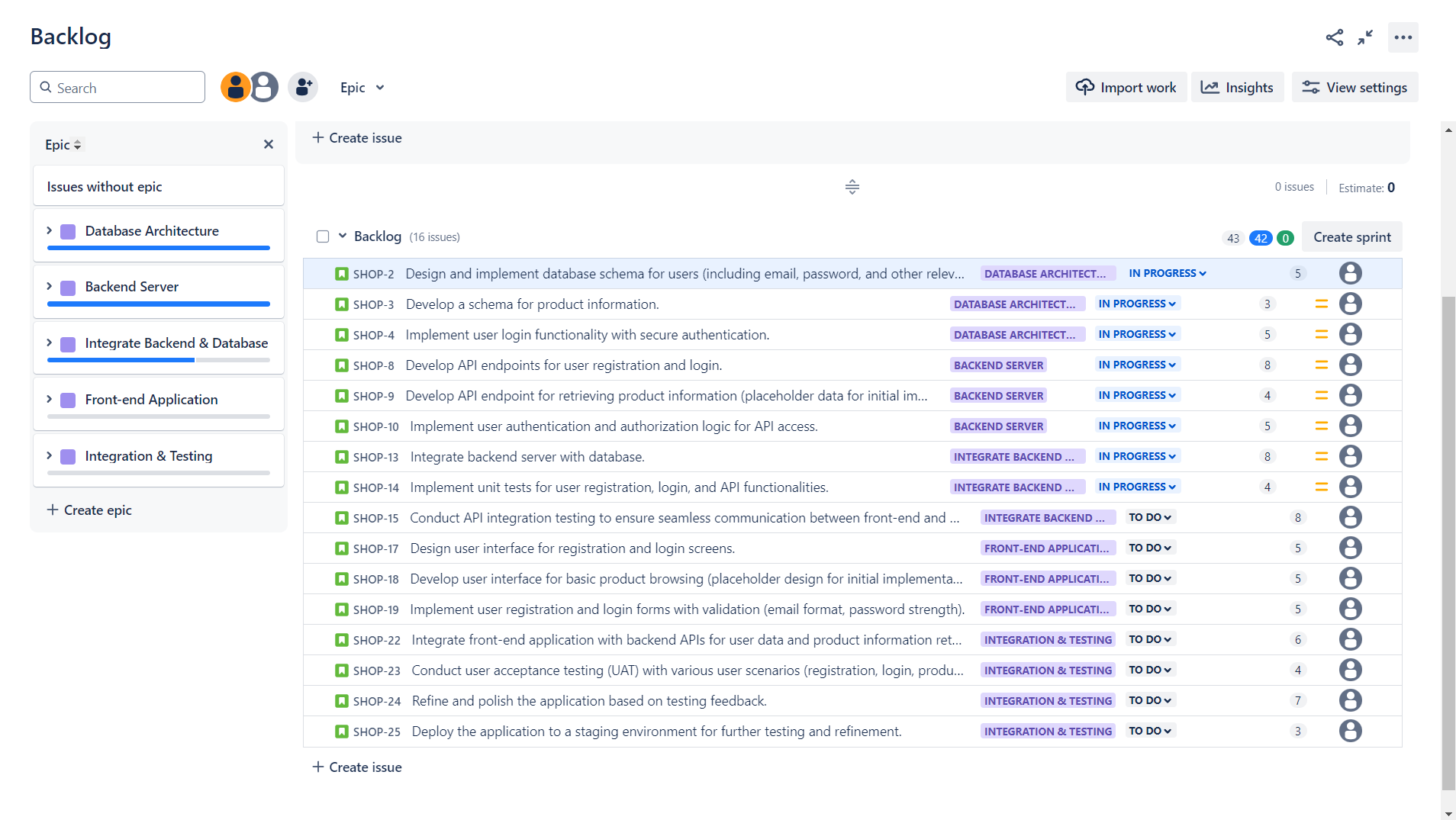
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| --- | --- |
| Date | 25 June 2024 |
| Team ID | SWTID1719938063 |
| Project Name | ShopEZ: E-Commerce Application |
| Maximum Marks | 4 Marks |

**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 | Design and implement database schema for users (including email, password, and other relevant fields). | 8 | High | Sriram,  Sujindra |
|  |  | USN-2 | Develop user registration functionality with email validation and password complexity requirements. | 6 | Medium | Sriram,  Sujindra |
|  |  | USN-3 | Implement user login functionality with secure authentication. | 6 | Medium | Sriram,  Sujindra |
| Sprint-2 | Backend Server | USN-4 | Develop API endpoints for user registration and login. | 6 | Medium | Akanksh,  Tej Kiran |
|  |  | USN-5 | Develop API endpoint for retrieving product information (placeholder data for initial implementation). | 8 | High | Akanksh,  Tej Kiran |
|  |  | USN-6 | Implement user authentication and authorization logic for API access. | 6 | Medium | Akanksh,  Tej Kiran |
| Sprint-3 | Integrate Backend & Database | USN-7 | Integrate backend server with database. | 8 | High | Sriram,  Tej Kiran |
|  |  | USN-8 | Implement unit tests for user registration, login, and API functionalities. | 6 | Medium | Sriram,  Tej Kiran |
|  |  | USN-9 | Conduct API integration testing to ensure seamless communication between front-end and back-end. | 6 | Medium | Sriram,  Tej Kiran |
| Sprint-4 | Front-end Application | USN-10 | Design user interface for registration and login screens. | 8 | High | Akanksh,  Sujindra |
|  |  | USN-11 | Develop user interface for basic product browsing (placeholder design for initial implementation). | 8 | High | Akanksh,  Sujindra |
|  |  | USN-12 | Implement user registration and login forms with validation (email format, password strength). | 4 | Low | Akanksh,  Sujindra |
| Sprint-5 | Integration & Testing | USN-13 | Integrate front-end application with backend APIs for user data and product information retrieval. | 5 | Medium | Sriram,  Akanksh |
|  |  | USN-14 | Conduct user acceptance testing (UAT) with various user scenarios (registration, login, product browsing). | 5 | Medium | Sriram,  Akanksh |
|  |  | USN-15 | Refine and polish the application based on UAT feedback. | 5 | Medium | Sujindra,  Tej kiran |
|  |  | USN-16 | Deploy the application to a staging environment for further testing and refinement. | 5 | Medium | Sujindra,  Tej kiran |

**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 |  |  |

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