| | | | | | | Product Backlog for Student's Accomodation |
|---|---|---|---|---|---|---|

| ID | Title | Epic | User Story | Priority (MoSCoW) | Status | Acceptance Criteria |
|---|---|---|---|---|---|---|
| 1 | User Authentication | **Authentication** | As a student, I want to register and log in securely so that I can access my profile and book accommodation. | Must | In Progress | 1. Users can register with a valid email and password. 2. Users receive a confirmation email for account activation. 3. Users can log in and reset passwords securely. |
| 2 | Accommodation listings | **Listing** | As a student, I want to browse available accommodations so that I can choose the best option for my needs. | Must | In Progress | 1. Users can view accommodation listings with images and details. 2. Filters allow searching by price, location, and amenities. |
| 3 | Booking System | **Booking** | As a student, I want to book a room easily so that I can secure my accommodation in advance. | Must | In Progress | 1. Users can select available rooms and complete a booking. 2. Booking confirmations are sent via email. 3. System prevents double booking. |
| 4 | Payment Integration | **Payments** | As a student, I want to make secure online payments so that I can confirm my booking. | Must | Backlog | 1. Users can pay using credit/debit cards or mobile wallets. 2. Payment confirmation is instant. 3. Refund and cancellation policies are clear. |
| 5 | Location and Map Integration | **Location** | As a student, I want to see accommodation locations on a map so that I can choose based on proximity to my institution. | Must | In Progress | 1. Listings display locations on an interactive map. 2. Users can filter results by proximity to universities. |

| | | | | | | |
|---|---|---|---|---|---|---|
| 6 | Security and Privacy | **Security** | As a student, I want my personal and payment information to be secure so that I can use the platform confidently. | Must | In Progress | 1. Secure data encryption is implemented.                2. System complies with data protection laws. |
| 7 | Chat and Support | **Communication** | As a student, I want to chat with landlords or support so that I can ask questions before booking. | Could | Backlog | 1. In-app chat enables communication between students and landlords. 2. Support chat is available for assistance. |
| 8 | Review amd Rating | **Feedback** | As a student, I want to read and provide reviews on accommodations so that I can make informed decisions. | Should | Backlog | 1. Users can leave ratings and comments on accommodations. 2. Admins can monitor and manage reviews. |
| 9 | Admin Dashboard | **Admin Panel** | As an admin, I want to manage users and listings so that the platform remains updated and functional. | Must | In Progress | 1. Admins can add, edit, and remove listings. 2. Admins can view and manage user accounts. |
| 10 | | | | | | |

| Functional Requirements | Non-Functional Requirements | Original Estimate | Actual Effort (In days) |
|---|---|---|---|
| Secure password hashing and storage.- Account lockout after multiple failed login attempts. | Response time for authentication actions should be less than 2 seconds. Password reset emails should be delivered within 5 minutes. | 5 days | - |
| Implement property listing features | Listings should load in less than 3 sec | 7 days | - |
| Online booking system | Payment processing time less than 2 sec | 6 days | - |
| Payment gateway integration | Secure and PCI-compliant transactions | 8 days | - |
| Map integration | Location search should return results in less than 2 sec | 6 days | - |

| | | | |
|---|---|---|---|
| Secure login and authentication | GDPR compliance ensured | 5 days | - |
| Chat and support system | Support responses within 24 hours | 5 days | - |
| Review and rating system | Reviews should be moderated within 24 hours | 6 days | - |
| Admin dashboard | Admin actions should take < 2 sec | | - |
| | | | |