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**Roomify**

**Step One: Listing All Potential Product Backlog Items**

**Product Backlog Items:**

1. **Basic User Interface**

* Status: Ready for Implementation

1. **User Registration and Login System**

* Status: Ready for Implementation

1. **User Profile Creation and Editing**

* Status: Ready for Refinement

1. **Photo and Video Upload**

* Status: Ready for Consideration

1. **Basic Onboarding Process (Enter User Details/Preferences)**

* Status: Ready for Implementation

1. **Basic Matching Algorithm (Simple Compatibility Criteria)**

* Status: Ready for Refinement

1. **Messaging System (Simple in-app Chat)**

* Status: Ready for Implementation

1. **Search Filters (Basic Filters: Budget, Location)**

* Status: Ready for Refinement

1. **Secure Data Storage (Basic Encryption)**

* Status: Ready for Refinement

1. **GUI & Swipe Interface**

* Status: Ready for Refinement

**Step Two: Product Backlog Activities**

1. **Basic User Interface**

* Refinement: No major changes are needed. We will keep it as a simple clean interface that is easy to navigate. Users will be able to easily view profiles, swipe through options, access messages, and manage their own profile.
* Estimation: 10 hours, 2 people.
* Prioritization: High priority for overall app usability.
* Creation: No new features spawned.

1. **User Registration and Login System**

* Refinement: Ensure basic validation for secure login. User will register an account using an email address or phone number so they can access the app.
* Estimation: 8 hours, 3 people.
* Prioritization: High priority, foundational feature.
* Creation: No new features spawned.

1. **User Profile Creation and Editing**

* Refinement: Added ability for users to upload profile pictures. They will be able to create and update their profile to show who they are and their preferences.
* Estimation: 12 hours, 2 people.
* Prioritization: Medium priority.
* Creation: Added feature for “Profile Picture Upload.”

1. **Photo and Video Upload**

* Refinement: Basic photo upload with simple editing tools that give potential roommates a better idea of who you are.
* Estimation: 14 hours, 3 people.
* Prioritization: Medium priority.
* Creation: Spawned “Basic Editing Tools” for photo uploads.

1. **Basic Onboarding Process (Enter User Details/Preferences)**

* Refinement: Added step for entering room preferences (budget, habits). This will help the app match the user with suitable roommates.
* Estimation: 10 hours, 2 people.
* Prioritization: Medium priority.
* Creation: No new features spawned.

1. **Basic Matching Algorithm (Simple Compatibility Criteria)**

* Refinement: Added more detailed compatibility criteria like location, budget, and lifestyle preferences.
* Estimation: 16 hours, 3 people.
* Prioritization: High priority for matching accuracy.
* Creation: No new features spawned.

1. **Messaging System (Simple In-app Chat)**

* Refinement: Added the ability for message notifications with potential roommats using an in-app messaging system. Messages will be able to be sent and received in a chat interface after a match occurs. Notifications for new messages will be implemented.
* Estimation: 12 hours, 3 people.
* Prioritization: High priority for user interaction.
* Creation: No new features spawned.

1. **Search Filters (Basic Filters: Budget, Location)**

* Refinement: Added more filters like roommate preferences based on basic criteria like budget, location, age, and gender preferences.
* Estimation: 10 hours, 2 people.
* Prioritization: Medium priority.
* Creation: No new features spawned.

1. **Secure Data Storage (Basic Encryption)**

* Refinement: Enhanced encryption for user data storage. User information, photos, and messages will all be stored securely using encryption for sensitive data.
* Estimation: 8 hours, 2 people.
* Prioritization: High priority for user safety.
* Creation: No new features spawned.

1. **GUI & Swipe Interface (The “touch-ups”)**

* Refinement: Enhanced swipe functionality for easier user navigation. Users will be able to swipe right to like a profile and left to pass. Profiles will display key details with a swipe function.
* Estimation: 12 hours, 2 people.
* Prioritization: Medium priority.
* Creation: No new features spawned.

**Step Three: Revised Product Backlog**

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| --- | --- | --- | --- |
| **PBI** | **Feature** | **Estimation** | **Story Points** |
| **1** | Basic User Interface: Plan out how the users will navigate between screens; design the swipe interface; and ensure that the interface adapts to different screen sizes and resolutions | 10 hours, 2 people | 8 points |
| **2** | User Registration and Login System: Build forms for email and phone number login options; use secure password handling (hashing); and use authentication methods to verify emails and phone numbers | 8 hours, 3 people | 5 points |
| **3** | User Profile Creation and Editing: Design a form for user details like name, age, bio, budget, roommate preferences, etc.; add options to edit or delete user profiles; ensure all fields are validated properly | 12 hours, 2 people | 5 points |
| **4** | Photo and Video Upload: Defile the file size and format restrictions; choose a storage device; secure uploaded content by ensuring only the owner can upload/update their media | 14 hours, 3 people | 5 points |
| **5** | Basic Onboarding Process (Enter User Details/Preferences): Create multi-step forms to collect user details like location, budget, lifestyle; store information in the database and link to user’s profile | 10 hours, 2 people | 3 points |
| **6** | Basic Matching Algorithm (Simple Compatibility Criteria): Create algorithm to match users based on preferences; display results in swipe interface and allow users to accept/reject based on profile details | 16 hours, 3 people | 8 points |
| **7** | Messaging System (Simple in-app Chat): Design chat inface with messaging bubbles, timestamps, and message input; set up push notifications for new messages | 12 hours, 3 people | 8 points |
| **8** | Search Filters (Basic Filters: Budget, Location): Add filter components like dropdowns or sliders; ensure filters work together and return accurate results | 10 hours, 2 people | 5 points |
| **9** | Secure Data Storage (Basic Encryption): Encrypt passwords and sensitive profile data before storing it in the database; use SSL/TLS to ensure secure communication between app and server | 8 hours, 2 people | 5 points |
| **10** | GUI & Swipe Interface: Design profile cars that display essential information; ensure swipes and matches are reflected in real-time in the backend | 12 hours, 2 people | 8 points |