

Sprint Duration:

Start Date: 9/12

End Date: 10/9

Sprint Goal / Backlog:

Sprint Goal:

The goal of this sprint is to implement user authentication (login and signup), and password encryption and basic profile creation functionalities. We aim to allow users to sign up, create a profile with personal preferences, upload a profile picture, and log in to their accounts. This will lay the foundation for matching roommates based on preferences such as cleanliness, lifestyle, and more. Although advanced matching algorithms will be tackled in future sprints, the focus here is on ensuring that the basic user flows (login, signup, profile creation) are functional.

Product Backlog Items to be Implemented:

Priority	Description	Status	Dependency
1	Set up the backend for user authentication: Create the necessary backend structure to store user data, including usernames, encrypted passwords, and email addresses.	Not Started	None
2	Implement password encryption: Ensure that all passwords are encrypted using secure hashing algorithms (e.g., bcrypt) before being stored in the database.	Not Started	Dependent on backend setup (1)
3	Set up the login system: Develop a user login system that allows users to securely authenticate with their credentials (username and password). Authentication should include checking the hashed password.	Not Started	Dependent on password encryption (2)

4	Set up the signup system: Create a form that allows new users to register an account, including username, password (with encryption), email, and basic preferences. This step also involves sending the data to the database and storing it securely.	Not Started	Dependent on backend setup (1) and password encryption (2)
5	Implement profile creation system: Allow users to set up their profiles, including fields for roommate preferences (e.g., cleanliness, quietness, lifestyle), and upload profile pictures. Store these preferences in the database.	Not Started	Dependent on signup system (4)
6	UI/UX design for login, signup, and profile creation pages: Design and implement the frontend UI for login, signup, and profile creation to ensure ease of use and clean navigation. This involves creating intuitive forms and profile screens.	In Progress	Can be started in parallel with backend development (1), but fully dependent on completion of signup and login systems (3 & 4) for functionality.
7	Backend database integration for user data: Set up the database tables/structure to store user data, preferences, and encrypted passwords. Ensure smooth integration between the frontend and backend for data storage and retrieval.	Not Started	Dependent on backend and signup system (1, 4)
8	Testing of user authentication (login, signup) and profile creation: Thoroughly test the login and signup flows, including password encryption, user profile creation, and database interactions. Identify and fix any issues that arise.	Not Started	Dependent on completion of login, signup, and profile systems (3, 4, 5)

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Sprint Schedule and Meetings:

Date	Meeting Type	Focus
9/19	Internet	This document
9/26	TBD	First week of progress
10/3	TBD	Wrapping up for presentation
10/8	TBD	Finishing touches

Teamwork Timetable:

Team Member	Task	Expected Dates of Completion
[Team Member] [Team Member]	Backend setup for user authentication (database schema creation, user model)	9/15
[Team Member]	Implement password encryption using bcrypt or similar algorithm	9/18
[Team Member]	Develop login system and integrate password encryption	9/22
[Team Member]	Set up signup system (including form creation, data validation, and sending data to backend)	9/25
[Team Member] [Team Member]	Design and implement profile creation system (preferences input, photo upload)	9/28
[Team Member]	UI/UX design for login, signup, and profile creation pages	9/29
[Team Member] [Team Member]	Backend database integration for storing and retrieving user data (profiles, preferences, encrypted passwords)	9/30

[Team Member]	Testing of user authentication (login, signup)	10/3
[Team Member]	Testing of profile creation system and database interaction	10/5
[Team Member]	Debugging and final testing of the entire system (login, signup, profile creation)	10/7