

Team Colorado - Team 2

CSCI 3308 Project Plan

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Application Name

Roomble

Project Features List

Feature 1: **Registration Page**-New users should be able to create a profile. Namely, input name, age, preferred gender to room with, city, price range for rent, etc. Other information like pictures, hobbies, etc. would be here as well.

Feature 2: **Swipe Right**- Users should be able to swipe right on other users if they think that user would be a good roommate. If that user swipes right on you as well, it would be a match and you would be able to message each other

Feature 3: **Swipe Left**-Users would be able to swipe left on other users if they don't think they would be compatible.

Feature 4: **Messaging**-Users who match with each other should be able to message each other

Feature 5: **Unmatching**-Users should be able to unmatched/block users they have already matched with if they make the user uncomfortable, or make vulgar/inappropriate comments

Requirements

These five user stories are sorted from most critical to least.

Feature 1: **New female user living in Denver ,CO**: This is someone who is new to the site. They are looking for a roommate. They will sign up and create a profile.

Feature 2: **Male user looking for a male roommate near college campus in Denver, CO**: The user will swipe right if they are interested in becoming a roommate with the person after seeing their profile.

Feature 3: **Female user looking for a female roommate near college campus in Denver, CO**: The user will be able to swipe left if they are not interested in becoming a roommate with a person's profile. If the user sees a male profile, they will swipe left.

Feature 4: **Non-binary user who has matched with a non-binary roommate in Denver, CO**. They are wanting to start a conversation with their new match.

Feature 5: **Male user who after matching with a potential roommate, wants to keep searching the site:** the user will unmatched with their previous matched profile and continue to browse other available profiles.

Project Plan

Project Management Kanban Board:

<https://csci-3308-spring21-023-2.atlassian.net/jira/software/projects/TC02/boards/1/backlog>

SEQUENCE of Sprints

Sprint 1: Registration and Home Page

Feb 22nd to March 8th

Sprint 2: Messaging

March 8th - 21st

Sprint 3: Matching (Swiping Right)

March 22nd - 28th Feature 2

Sprint 4: Passing (Swiping Left)

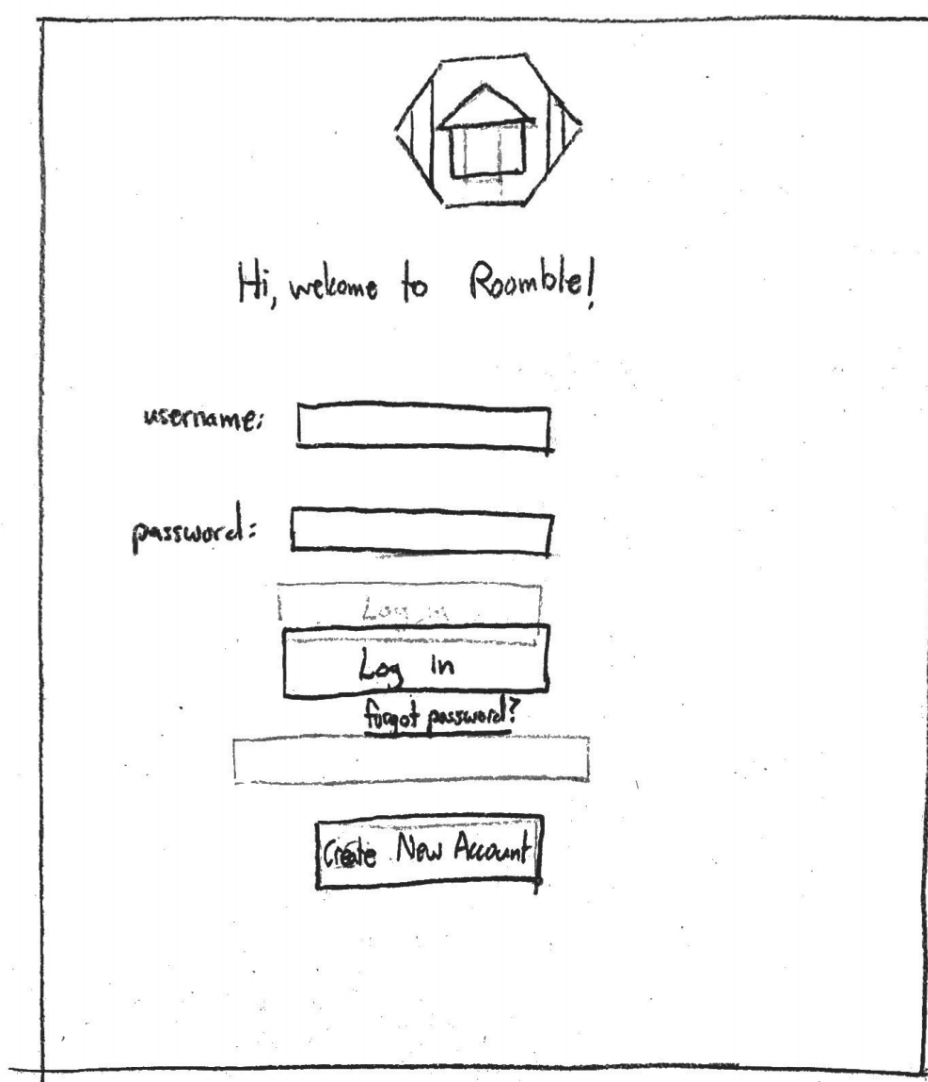
March 29th - April 4th Feature 3

Sprint 5: Unmatching and Blocking

April 5th - 7th Feature 5


Wireframes and Design

"Home Screen"



A hand-drawn wireframe for a home screen, enclosed in a rectangular border. At the top center is a hexagonal icon containing a simple house drawing. Below the icon, the text "Hi, welcome to Roomble!" is written. Underneath the welcome message are two input fields: the first is preceded by the label "username:" and the second by "password:". Below the password field is a "Log in" button. Directly under the "Log in" button is a link that says "forgot password?". Below the link is another empty input field. At the bottom of the form is a button labeled "Create New Account".

"Registration Page"



Where

Location

My Current Location
Boulder, CO

Preferred rent per month

\$300

\$5000+

Who

Gender

Only men >

Age range

18

33+

New Username

Password

Confirm Password

Add Photos

Add bio...


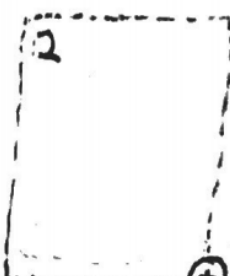
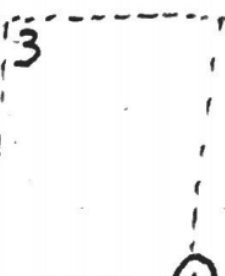
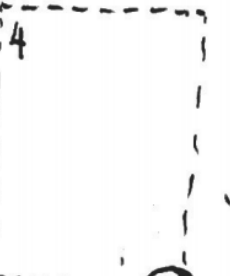

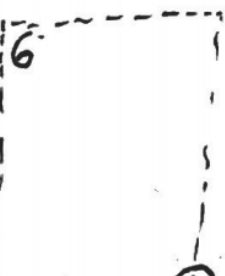
All ...

"Registration Page/ Add photos."



Add Photos

Hold, drag, and drop to reorder your photos

1  ⊗	2  ⊕	3  ⊕
4  ⊕	5  ⊕	6  ⊕

Github Commits

Brodie:

https://github.com/CSCI-3308-CU-Boulder/3308SP21_section023_2/blob/main/Milestones/Milestone%202/Project%20Board

Francesca:

https://github.com/CSCI-3308-CU-Boulder/3308SP21_section023_2/blob/main/Milestones/Milestone%202/Firebase%20.pdf

Jake:

https://github.com/CSCI-3308-CU-Boulder/3308SP21_section023_2/blob/main/Milestones/Milestone%202/mysql%20Setup%20and%20Tutorials

Brenden:

https://github.com/CSCI-3308-CU-Boulder/3308SP21_section023_2/blob/main/Milestones/Milestone%202/Logo.png

David:

https://github.com/CSCI-3308-CU-Boulder/3308SP21_section023_2/blob/main/wireframes/SoftwareDevWireframes.pdf

Team Member Plan

Brodie:

Brodie will commit to helping with any part of the project that needs development or leadership ideas. He has less experience with front or back end development but will contribute to the success of the project by offering UI ideas and researching matching algorithms for gender, age, and rent filters between prospective roommates. He will also start considering the best way to block and/or unmatch from other profiles and plan how the team will implement that in Sprint 5.

Francesca:

Will help with the front end side of adding, updating photos and swipe features.

Primarily, focusing on the back end for all features. Will learn how to use firebase for back end and bridging back end to front end.

Jake:

Majority of time will be spent working on the backend database (all features) and the algorithms/data processing (Feature 1) required for matching users with similar interests or requirements together (Features 3, 4, 5). The bridge between the front and backend will also be a major portion of time. Will work on various front-end tasks if additional help is required.

David:

Will focus on front end development with HTML and Java. With experience in algorithms, I'll also help design the Roomble algorithm, which in essence decides which profiles a user will see

based on their profile (age, location, desired rent price, etc.) I'll also be active with commits to github so all project members will be continuously updated with my progress. Will help out wherever needed in general!

Brenden:

Will do conductive research to find out which categories will important to include when filtering out what makes the perfect match of a roommate. This includes studies on students at CU in the dorms, and future freshman; mostly contributed through surveys. Will also apply help with HTML, and any front end development. Will also use graphic design experience and skills to design sleek looking UI for the app to use along with an attractive logo design.