

Project Milestone 4

Team 2

3/9/2021

Revised List of Features

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.

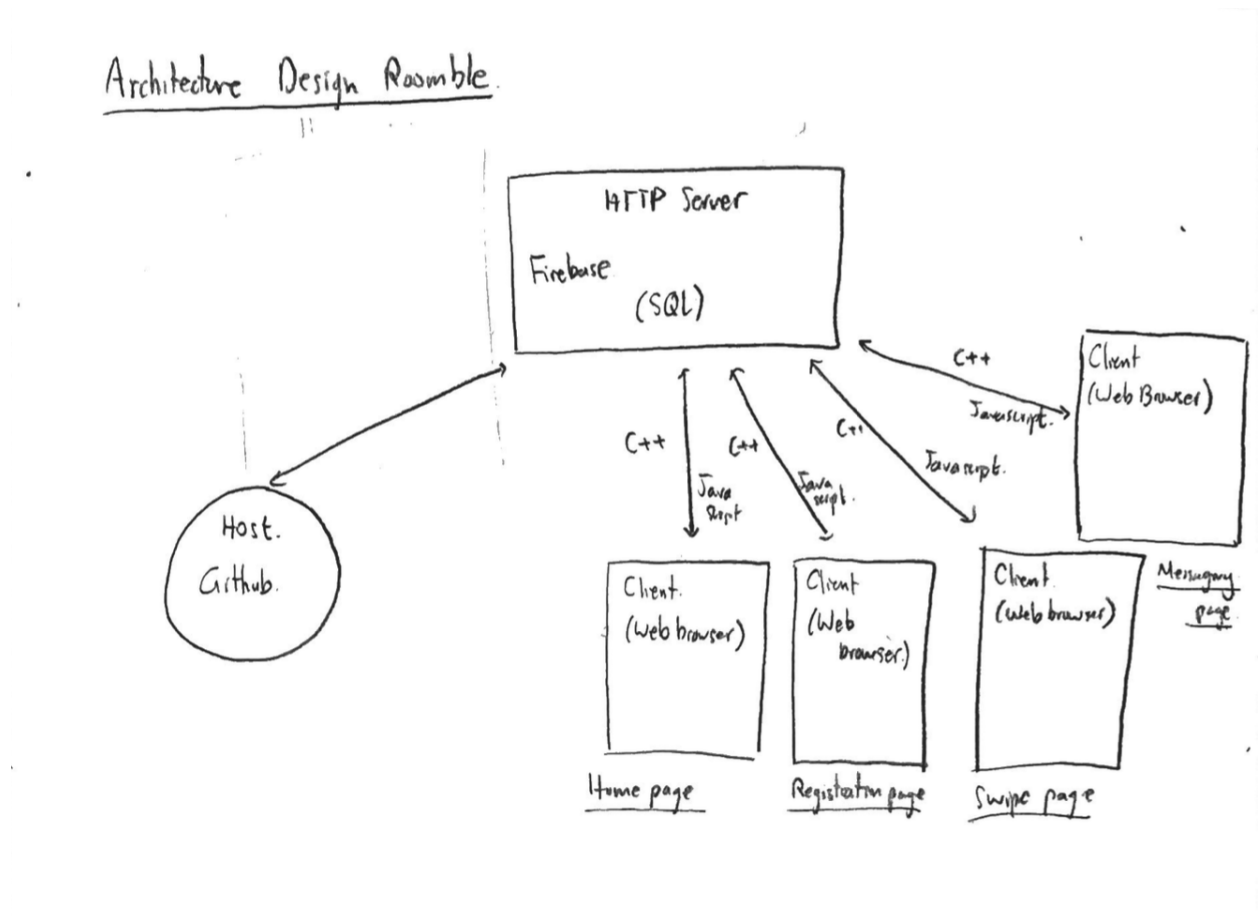
Feature 2: **Swipe Right**- Users should be able to swipe right on other users if they think that user would be a good roommate. If that user swipes right on you as well, it would be a match and you would be able to message each other

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

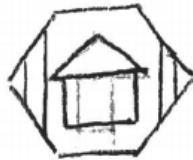
Feature 5: **Unmatching**-Users should be able to unmatch/block users they have already matched with if they make the user uncomfortable, or make vulgar/inappropriate comments

Architecture Diagram



Front End design

LOGIN PAGE



Hi, welcome to Roomble!

username:

password:

[forgot password?](#)

PREFERENCES PAGE

Home

Where

Location My Current Location
Boulder, CO

Preferred rent per month

\$300 \$5000+

Who

Gender Only men >

Age range 18 55+

New Username

Password


Confirm Password

Add Photos

Add bio...

ALL ...

PHOTOS PAGE

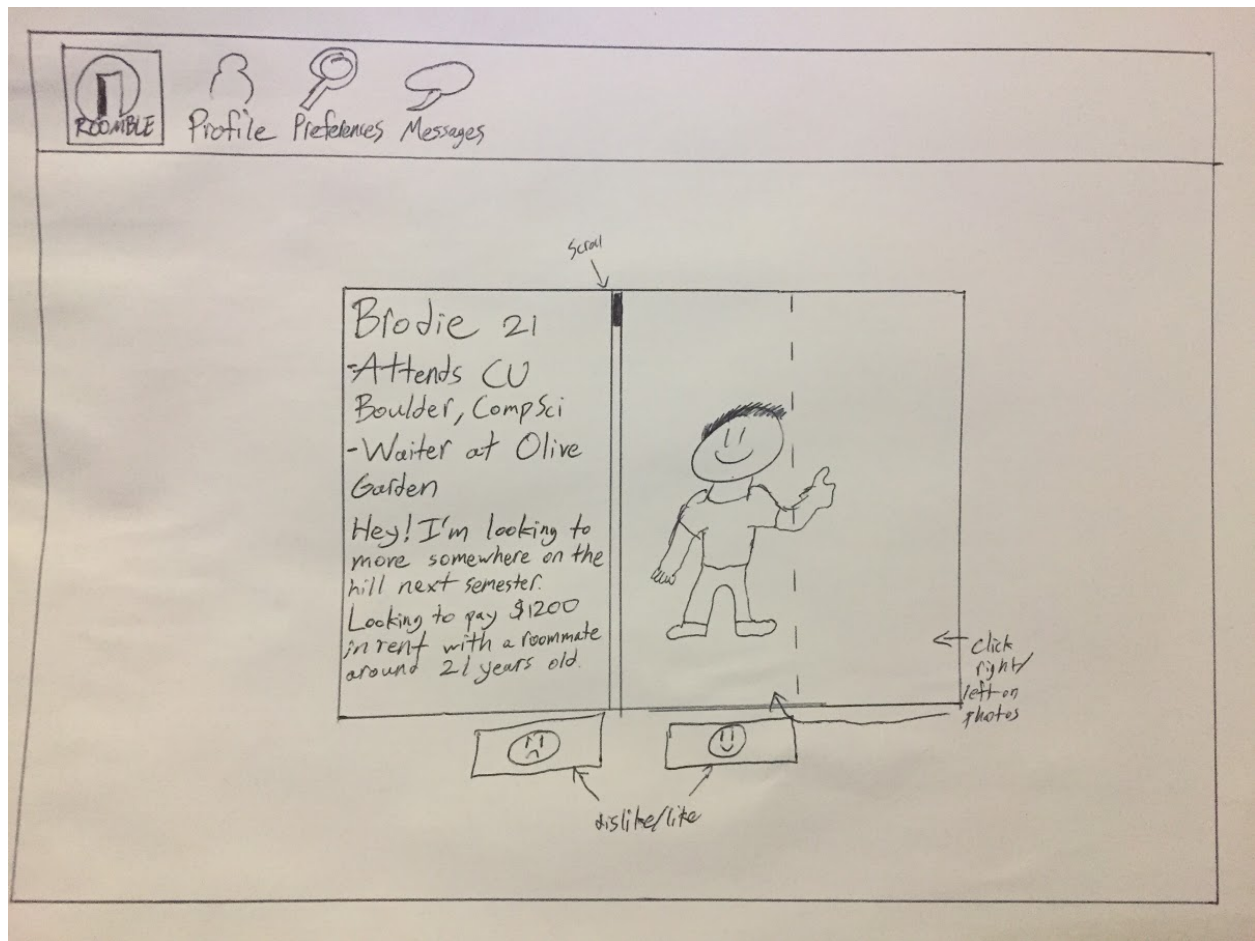


Add Photos

Hold, drag, and drop to reorder your photos

<div>1</div> <div></div> <div>✕</div>	<div>2</div> <div></div> <div>+</div>	<div>3</div> <div></div> <div>+</div>
<div>4</div> <div></div> <div>+</div>	<div>5</div> <div></div> <div>+</div>	<div>6</div> <div></div> <div>+</div>

HOME PAGE



Web Service Design

We are using Firebase for our API which synchronizes application data across Web devices, and stores information on Firebase's cloud. Firebase will help us in building a real-time, collaborative website. The data passed through the API will be user data which will consist of: user preferences, matches between users, messages between users, and photos.

Database design

All design aspects including data types, variable names, and relationships can be found in the provided link below which contains an ERD of our database.

https://github.com/CSCI-3308-CU-Boulder/3308SP21_section023_2/blob/main/Milestones/Milestone4/RoombleDatabaseDesignSchema.png

DBMS technology: Firebase

Individual Contributions

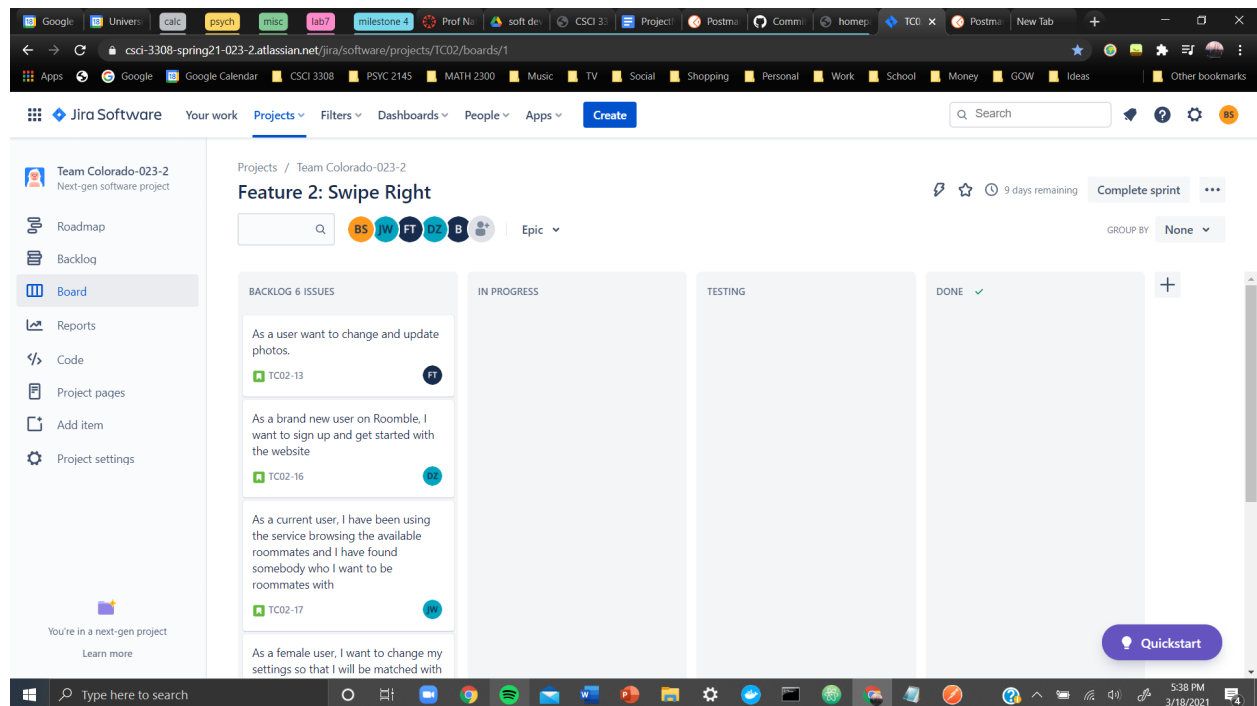
Brodie: Designed the home page wireframe and wrote up the html javascript code for the homepage front end.

https://github.com/CSCI-3308-CU-Boulder/3308SP21_section023_2/commits?author=brsch6643

Jake: Worked with Francesca to design the backend database, creating the database diagram as well as working through the setup of the desktop Firebase tools and creating documentation for the rest of the team to follow along with to ensure streamlined setup and consistent settings. Also worked on getting the database DDL written and proofread.

https://github.com/CSCI-3308-CU-Boulder/3308SP21_section023_2/commits?author=JakeWerner

David:



Challenges

- 1) Putting all the knowledge that we are acquiring as we work on the project is difficult because we are learning as we go, but it just takes a few times to go back and look over our code and some rewriting.
- 2) Figuring out the best way to establish a messaging system that will not take up too much development time but also be usable and functional. System to fall back upon to might be to have the messaging be less of a live and direct messaging system and more of an email/delayed response messaging service to take away the development load to fit with the given timeframe.