

Room Mate

Group 2: Cameron, Grace, Jaden, Brendan, Mei

Mission statement:

We bring the largest room of potential roommates to your fingertips.



What We Do

At Room Mate, we are determined to eliminate the stressful experience of finding the right roommate during ones college years.

The goal was to make something easy to use to reduce the stress of the early college experience.



A close-up photograph of a hand holding a white marker, drawing on a whiteboard. The background is blurred, showing what appears to be a classroom or meeting room with other people and lights.

The solution

Determined to ease this process we created Room Mate:

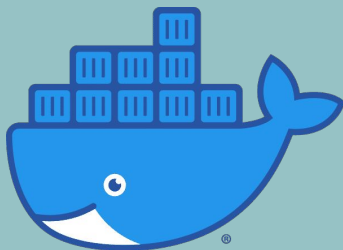
1. Student opens an account with a custom username and password
2. Complete their profile with info such as graduation year, rent preferences or dorm names
3. Browse students with similar preferences
4. Match, message, and share contact info with the between mutually interested roommates



VS Code



Github



Docker



Custom API



PostgreSQL

Data Base



EJS



Front End



Application
Server



Communication

Github Project Board

Updated project board
with issue and sprint
statuses

Google Docs

Braindump and
structure ideas and
plans

Google Meet

Weekly standups with
TA for previous
progress and future
plans

Notion Project

Used notion to structure
priorities, sprints and
assignments

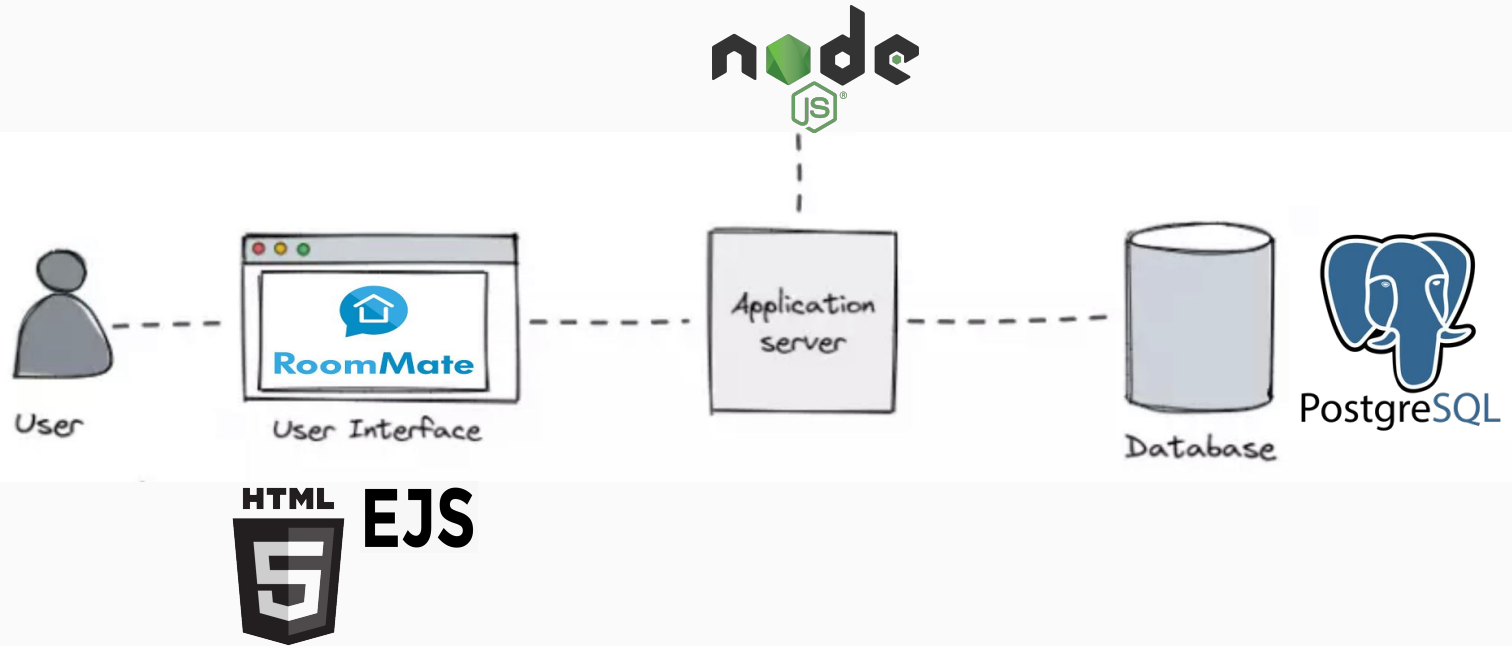
Discord

Communicate directly
with team through
audio and chat room

Software Development Methodology

- Agile methodology
- Operated in sprints with clear goals for each group member.
- Initially started with Notion, but transferred over to GitHub project boards and Discord communications for our sprints.
- Multiple people on the team tested each API explicitly, and implicitly through implementation and integration with multiple users.
- We maintained a few stretch goals such as profile pictures on an external CDN and matching by location, but did not reach those goals in time.

Architecture Diagram



Challenges

Database Initialization: When we switched from a more basic to a more extensive set of dummy data, the database needed to be reinitialized.

Sending data from backend to EJS: JSON can be confusing, and displaying data on the frontend can be difficult. Getting things looking good is another story entirely.

Communication: Integration of ideas between multiple people, this is our first time working on a large software development group project.



Demo

RoomMate

Roommates

My Profile

Log In

Filters

Year ▼

Location/Dorm ▼

Max Rent

Roommates

Submit



Eugene

Graduation Year: 2024

Preferred Neighborhood/Dorm: The Hill

Preferred # of Roommates: 8+

Max Rent: \$900

Hey boys! I'm new to Boulder and looking for a group of young and energetic students to live with. I took a few gap years after high school, but I'm still seventy one years young and have some spring left in my step! I love to spend time with my wife and grandchildren, playing bingo, and watching golf. Looking for some roommates to rent a place on the Hill, throw parties and get completely hammered with!



Name

Graduation Year: YEAR

Preferred Neighborhood/DORM: PLACE

Preferred # of Roommates: AMOUNT

Max Rent: AMOUNT

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