

Team Number: 011-5

Team Members:

Quinn Guerin

Jordan Evans

Rocky Erdenebat

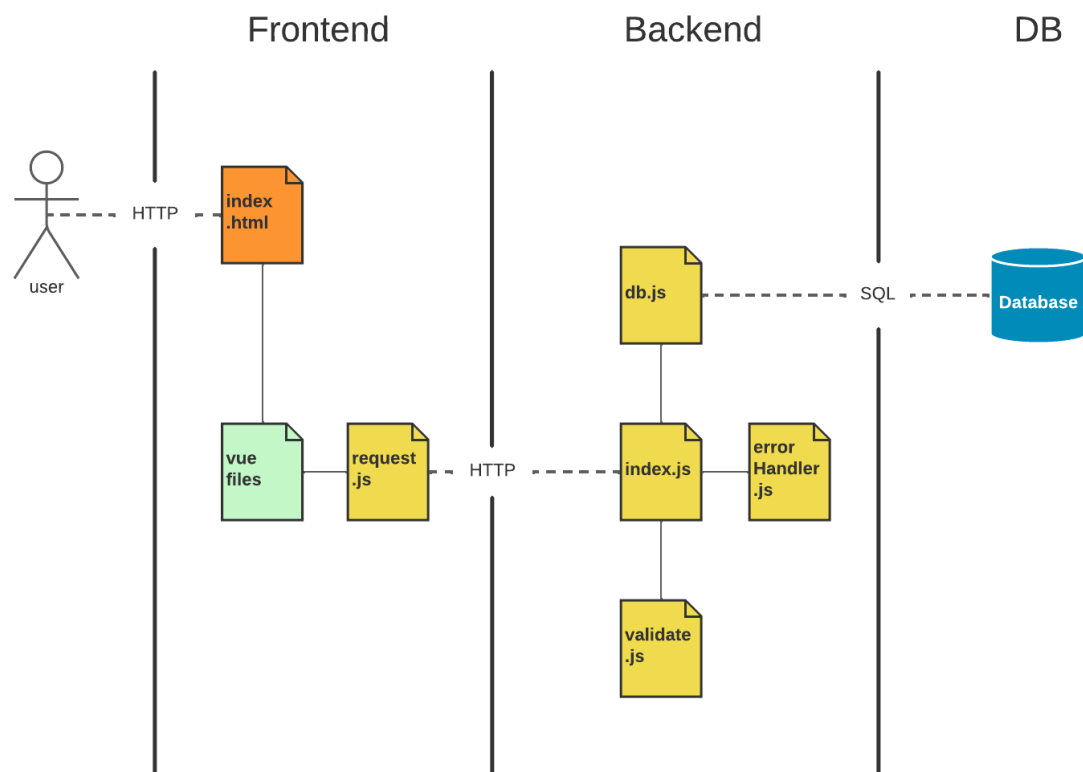
Nancy Yoder

Tucker Travins

Revised List of Features:

1. Create a Review
2. Dynamic property list
3. Dynamic review list
4. Register
5. Login
6. Filters

Architecture Diagram:



Front end design:

Filters

Keyword Search

Item/Page

Sort By:

Rent: Highest to Lowest ▾

Minimum Rating

- ☒ ★
- ☐ ★★
- ☐ ★★★
- ☐ ★★★★
- ☐ ★★★★★

Page

Properties (5)



Union 9Seventy

970 28th St

\$3000 /month




The Lotus

900 28th St

\$2500 /month



Union Baseline



**2239 GOSS CIRCLE E,
BOULDER CO, 80302**

★★★★★ Reviewed by Tucker Travins
These reviews are from The Social Network.

★★★★★ Reviewed by Nancy Yoder
In its cold, almost forensic way, this is as tense and exciting as it is absorbing. It's a miracle, really.

★★★★★ Reviewed by Quinn Guerin
The Social Network, just like its subject, is the pop culture phenomenon of the new generation.

★★★★★ Reviewed by Jordan Evans
Fincher does, at least, make decent entertainment out of such inherently unprepossessing subjects as computer use and legal hearings.

★★★★★ Reviewed by Rocky Erdenebat
The Social Network is splendid entertainment from a master storyteller, packed with energetic incident and surprising performances.

Pictures here.


Pictures here.

Pictures here.

Pictures here.


Pictures here.

PROFILE




Edit Profile Picture

HELLO [USERNAME](#)



PROPERTY MANAGEMENT COMPANY
 ADDRESS
 MONTHLY RENT
 RATING



PROPERTY MANAGEMENT COMPANY
 1040 11TH STREET UNIT 1
 BOULDER, CO 80303
 \$1100

HEADLINE

Add a headline for your review

OVERALL RATING

☆☆☆☆☆

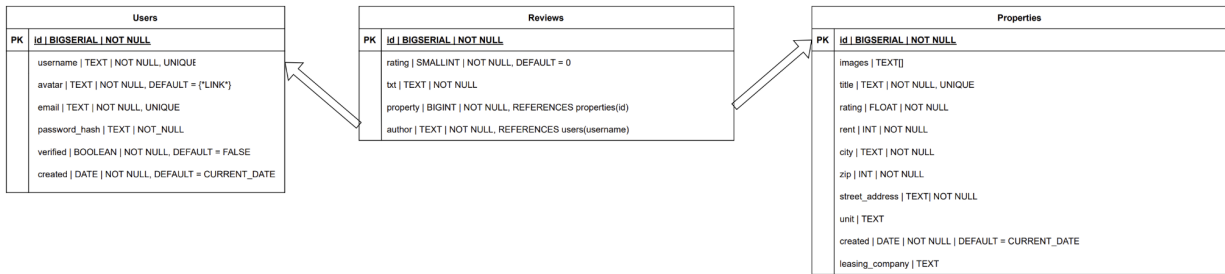
WRITTEN REVIEW

Submit

Web service design:

We are not using any Web Services via APIs as of now.

Database design:



```
DROP TABLE IF EXISTS reviews;
DROP TABLE IF EXISTS properties;
DROP TABLE IF EXISTS users;

CREATE TABLE users (
    id BIGSERIAL PRIMARY KEY NOT NULL,
    username TEXT NOT NULL UNIQUE,
    avatar TEXT DEFAULT 'https://i.nuuls.com/0ySJS.png' NOT NULL,
    email TEXT NOT NULL UNIQUE,
    password_hash TEXT NOT NULL,
    verified BOOLEAN DEFAULT FALSE NOT NULL,
    created DATE DEFAULT CURRENT_DATE NOT NULL --todo add role (possibly?)
);

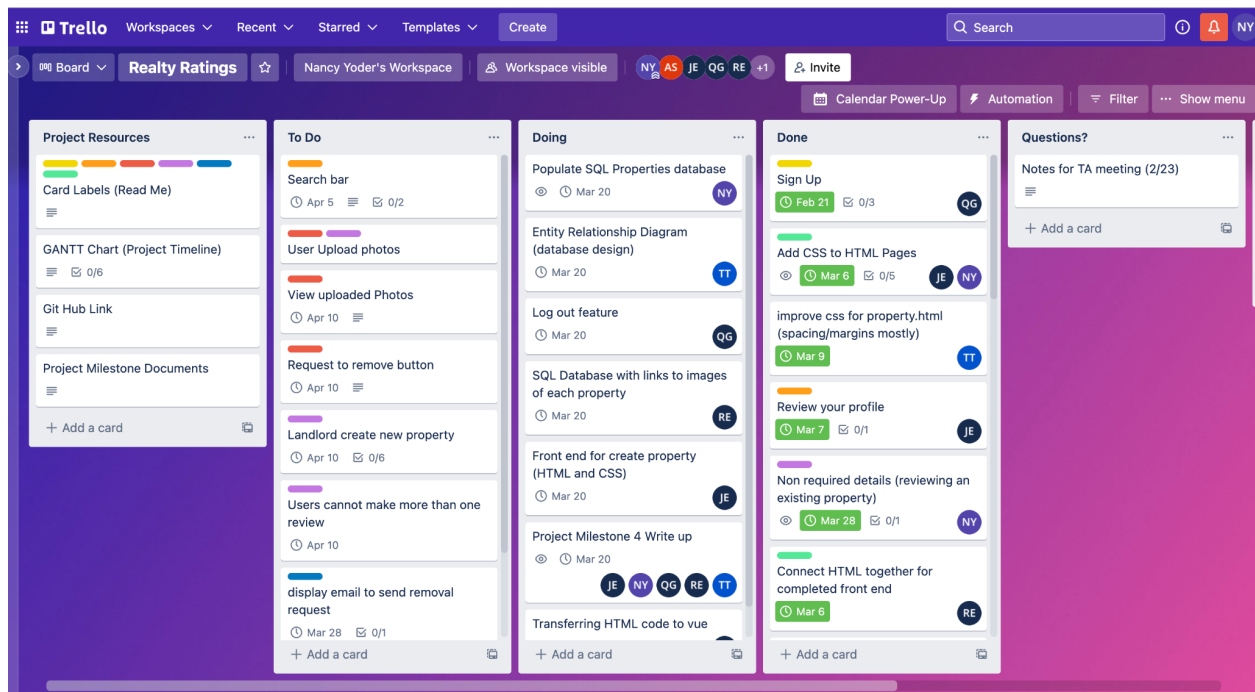
CREATE TABLE properties (
    id BIGSERIAL PRIMARY KEY NOT NULL,
    images TEXT[],
    title TEXT NOT NULL UNIQUE,
    rating SMALLINT NOT NULL, -- float
    rent INT NOT NULL,
    city TEXT NOT NULL,
    zip INT NOT NULL, -- we may not need zipcode
    street_address TEXT NOT NULL,
    unit TEXT,
    created DATE DEFAULT CURRENT_DATE NOT NULL,
    leasing_company TEXT
); --todo tsvector for for search

CREATE TABLE reviews (
    id BIGSERIAL PRIMARY KEY NOT NULL,
    rating SMALLINT NOT NULL DEFAULT 0,
    txt TEXT NOT NULL,
    property BIGINT REFERENCES properties(id) NOT NULL,
    author TEXT REFERENCES users(username) NOT NULL
);
```

Challenges:

- *Implementing a search bar*: we anticipate that implementing a well-functioning search bar, with auto fill capabilities, will be challenging within our time constraints. Therefore, if we are unable to complete this function we will solely rely on the filters feature we already have developed for customized searches.
- *Authorization to create properties*: ideally, we want to implement a feature where landlords can upload their properties to be reviewed by tenants. This will be challenging because we will have to find a way to verify landlord status and valid addresses. If we end up not having the time or resources to implement this feature, we will just make the properties ourselves on the back end.
- *Uploading pictures as part of review*: we want to find a way for users to upload pictures with their reviews. We anticipate that this will be very challenging and complicated to accomplish, so if we cannot figure it out we will implement a feature for users to submit links to their pictures, or we will use a web API service to upload

Individual contributions:



Nancy: Update and maintain the project management board. Write the insert statement for each property into the database.

<https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-011-05/commit/e07eb79f5aae5798eea098b18c2960d80fdaac25>

Jordan: Made "create review" HTML and implemented nav bar and CSS to this page.

<https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-011-05/commit/ee29b2a2877b5f8ff33bbaf4fdca7dd80cfc9d5e>

Quinn: Created framework for backend NodeJS app; Finished both frontend and backend login and register; Created backend endpoints for creating and filtering properties.

<https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-011-05/commit/8e0ebb2e090ecc0d74335d83de3139e0b1f02697>

Tucker: Entity relationship diagram.

<https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-011-05/commit/6655c775a1c0d3929c41032dc535e5faf418f3ff>

Rocky: Make database of link to pictures of each property for the front end

<https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-011-05/commit/ab06ffda5042affeef7a16e902f4f5ac741710f6>