



Nancy Yoder, Jordan Evans, Quinn Guerin,  
Tucker Travins, and Rocky Erdenebat

# Mission Statement

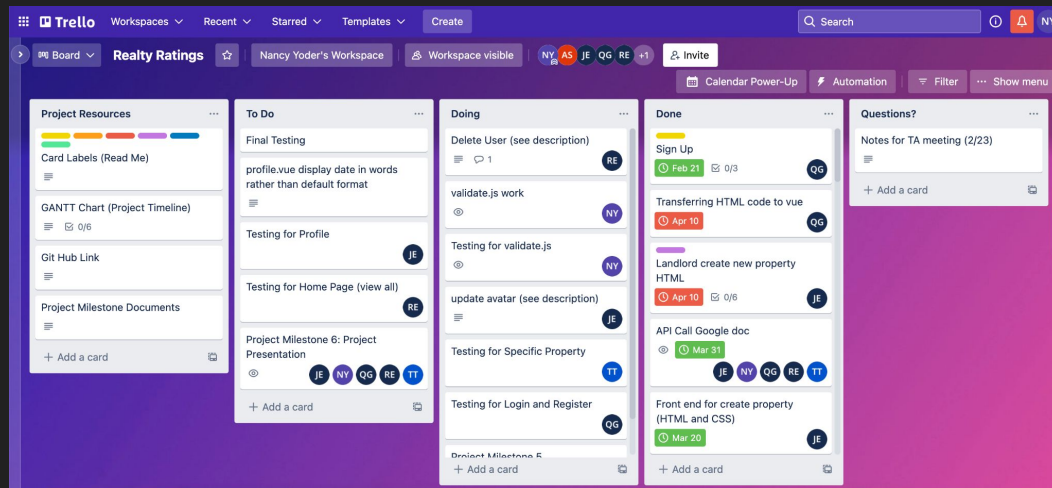
CU students need an easy and reliable way to rate and review properties in Boulder because most experiences do not provide an honest depiction of Boulder living opportunity for students.

Realty Ratings is a website that allows students to do just this. Our product brings honesty back to real estate, preventing students from making uninformed decisions on their living situations under false pretenses.

# Trello



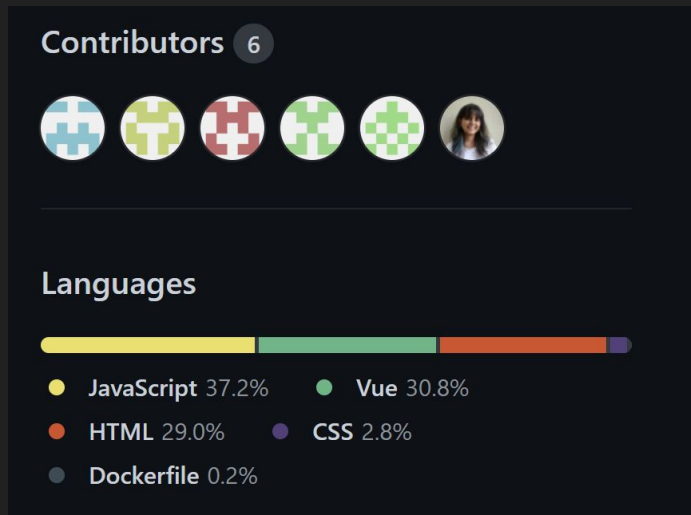
- Project management tool
- 4 stars
- Agile methodology



# GitHub

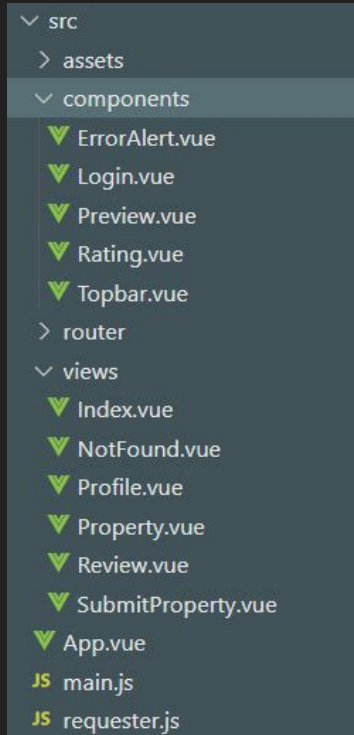


- VCS repository
  - Version Control Software
- 5 stars
- Perfect for storing and tracking everybody's contribution to the project.

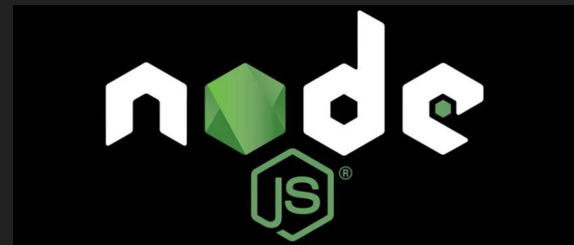


# Vue.js

- JavaScript/HTML Framework
- 4 stars
- Great for creating responsive component-based front-ends



# Node.js



- Backend Javascript environment
- 4 stars

```
async function login(username, password) {  
  let res = await client.query(  
    "SELECT password_hash FROM users WHERE username=$1",  
    [username]  
  );  
  if (res.rowCount > 0) {  
    return await bcrypt.compare(password, res.rows[0].password_hash);  
  }  
  return false;  
}
```

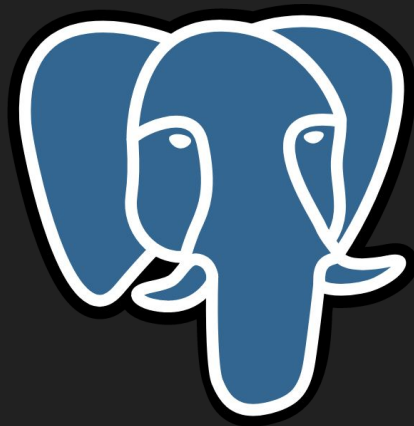
# Chai + Mocha

- Testing
- 3 stars
- Wasn't vital to our success



# PostgreSQL

- Database
- 5 stars



```
✓ 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?)  
);
```



# Heroku

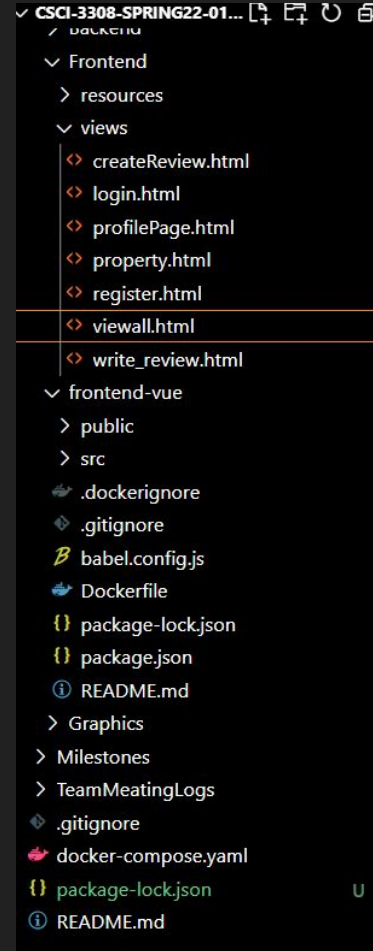
- Deployment Environment
- 3 stars
- Easy to use
- Somewhat Slow



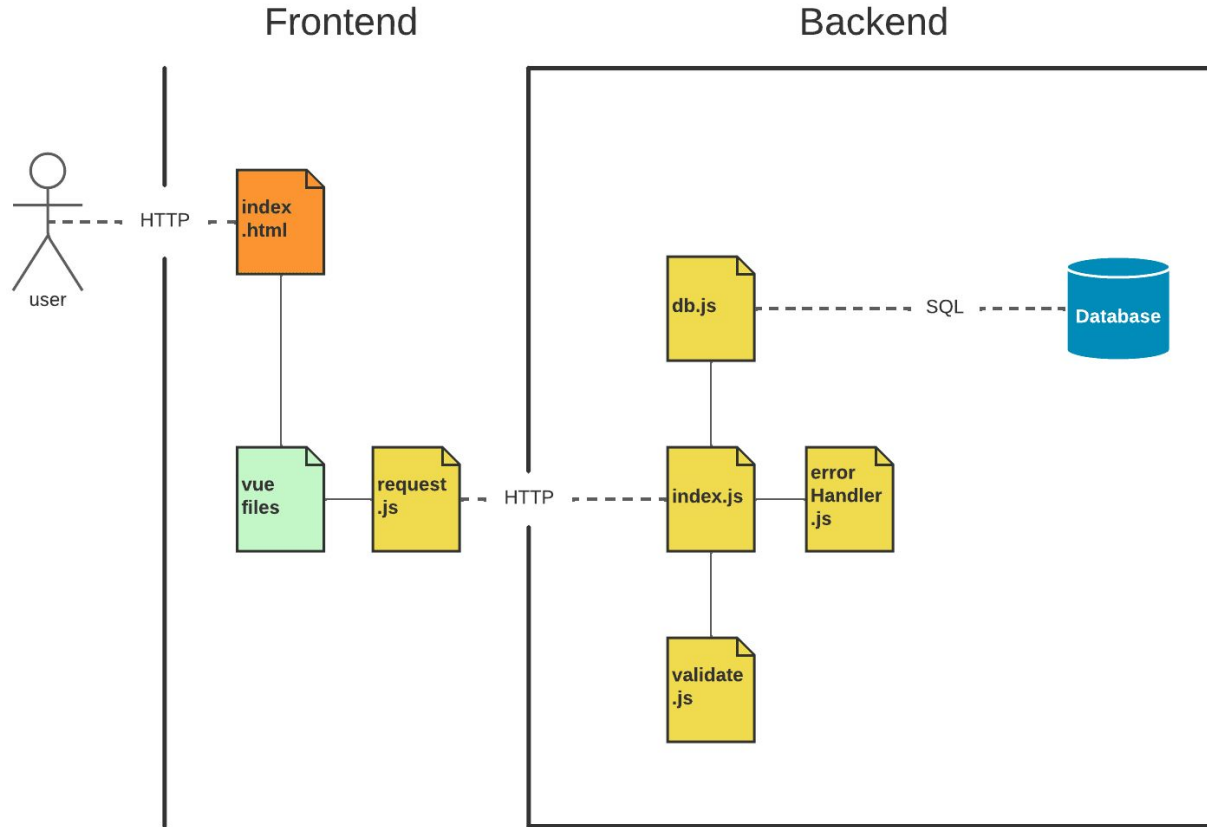
heroku

# Visual Studio Code

- Great Code Editor for all languages.
- 5 stars
- Able to easily write and compare code for correct functionality, AIO creator/editor



# Architecture Diagram



# Database Organization

Users	
PK	<u>id   BIGSERIAL   NOT NULL</u>
	username   TEXT   NOT NULL, UNIQUE
	avatar   TEXT   NOT NULL, DEFAULT = {"LINK"}
	email   TEXT   NOT NULL, UNIQUE
	password_hash   TEXT   NOT NULL
	verified   BOOLEAN   NOT NULL, DEFAULT = FALSE
	created   DATE   NOT NULL, DEFAULT = CURRENT_DATE

Reviews	
PK	<u>id   BIGSERIAL   NOT NULL</u>
	rating   SMALLINT   NOT NULL, DEFAULT = 0
	txt   TEXT   NOT NULL
	property   BIGINT   NOT NULL, REFERENCES properties(id)
	author   TEXT   NOT NULL, REFERENCES users(username)

Properties	
PK	<u>id   BIGSERIAL   NOT NULL</u>
	images   TEXT[]
	title   TEXT   NOT NULL, UNIQUE
	rating   FLOAT   NOT NULL
	rent   INT   NOT NULL
	city   TEXT   NOT NULL
	zip   INT   NOT NULL
	street_address   TEXT   NOT NULL
	unit   TEXT
	created   DATE   NOT NULL   DEFAULT = CURRENT_DATE
	leasing_company   TEXT

# Challenges

- Merge conflicts on Github
- Learning Vue.js
- Implementing code with Vue.js

# Future Enhancements

- Cookies
- Email confirmation
- UX testing for a better front end

# Demo

# Q&A