

Team Number: 011-5

Team Name: Five Stars

Team Members:

Quinn Guerin

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Application Name: Realty Ratings

Application Description:

This is a website that will be used for current and incoming students to find places to live around campus, and allow them to read ratings and reviews of available properties. The main functionality will be centered around a map of Boulder, with properties marked on the map. Each property can be interacted with to see previous tenants' reviews, pictures, and any other information worth sharing. It is a similar concept to "Rate my Professor" or any restaurant rating website like "Yelp" or "OpenTable". One part of the map functionality would be to have certain filters to find only specific types of properties. These filters could be things like # of bedrooms, minimum rating, or rent prices.

Anyone will be able to view the map and all properties. If a user wishes to add properties or write reviews, they will need to register on the site. To register, you must use a colorado.edu email address. This is a good way of making sure that only CU Boulder students/tenants can write reviews, and not random people, or property owners trying to write positive reviews about their own properties. We also are considering a form of verification where people can submit documents/pictures to prove that they lived at the property, thus giving their review more credibility.

Vision Statement:

For CU Boulder Students who rent in Boulder, Realty Ratings is a website that allows students to rate and review properties that they have lived in. Our product brings honesty back to real estate, allowing students to make informed and important decisions

Version Control:

- Add read.me file to github with project description and overview of application architecture
- Team meeting logs with TA
- All project code/components

<https://github.com/orgs/cub-csci-3308-spring-2022/teams/011-5>

Development Method:

We decided a hybrid methodology would be the best methodology to follow. We chose this method because working on multiple high-priority items at a given time will minimize the time spent overall. We also like sprints because of the time-controlled structure where you commit to the amount of work and complete it within the sprint length.

<https://csci-3308-spring22-011-5.atlassian.net/jira/software/projects/DW011/boards/1/roadmap>

Communication Plan:

Our team plans to communicate using the collaboration tool Imessage. As we go through the week we can message in our text group chat with questions and feedback, while also discussing any remaining questions during our weekly meeting time on Sundays. We will also utilize our group chat to keep other team members updated on our individual progress throughout the week.

Meeting Plan:

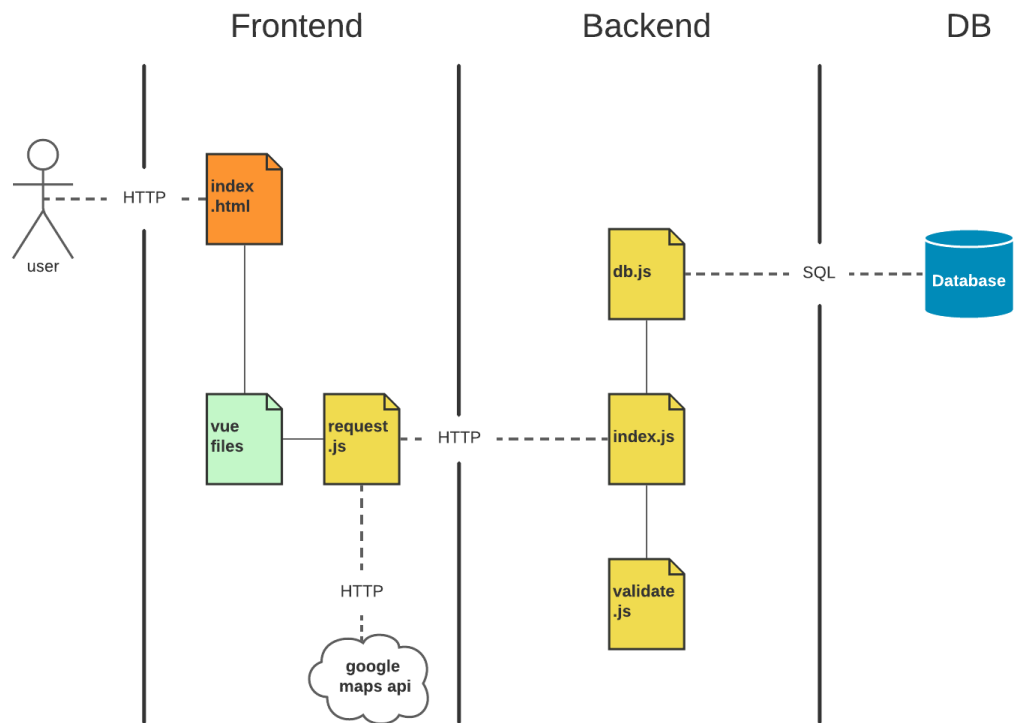
Group meeting - Sundays 11-1 in Norlin lobby

TA meeting - Wednesdays 11-11:15 via zoom

Proposed Architecture Plan:

The backend will be created using NodeJS-Express with a PSQl database.

The frontend will be created VueJS



users
id <i>KEY</i>
username <i>TEXT</i>
email <i>TEXT</i>
password_hash <i>TEXT</i>
verified <i>BOOL</i>
created <i>DATE</i>

properties
id <i>KEY</i>
title <i>TEXT</i>
location <i>TBD</i> *depends on google
average_rating <i>FLOAT</i>

reviews
id <i>KEY</i>
review <i>TEXT</i>
rating <i>FLOAT</i>
author <i>USER ID</i>
property <i>PROPERTY ID</i>
created <i>DATE</i>

Use Case Diagram:

