

# Sprint 1: Capstone Design



**Cole Kelley**

<https://github.com/cole-w-kelley>



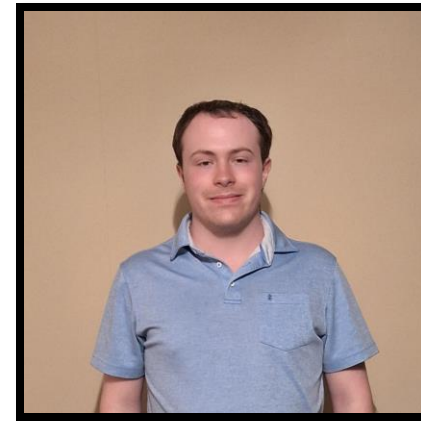
**Gates Arnold**

<https://github.com/MrGermanDude>



**Jackson Burke**

<https://github.com/jmburke4>



**Thomas Hicks**

<https://github.com/hicksed2-CS>



**Cole Munn**

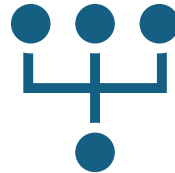
<https://github.com/chm423>

# Project Focus Reminder



## Capstone design management:

A full stack application for managing student projects, sponsor feedback, and coordination between the administrator and all those involved



**This sprint, we laid down the groundwork**



**But a lot of functionality remains outstanding...**

# Artificial Intelligence

01

Created docker  
config files

02

Generated  
documentation/ERD

03

Browser LLM used to  
clarify code

04

Main Take Aways:

- Positive experience with AI
- The project is simple: AI integrates easily

# Prioritized Sprint Goals

01

Establish our project's foundation with a backend based in Django, a PostgreSQL database, and our services to be containerized on Docker

02

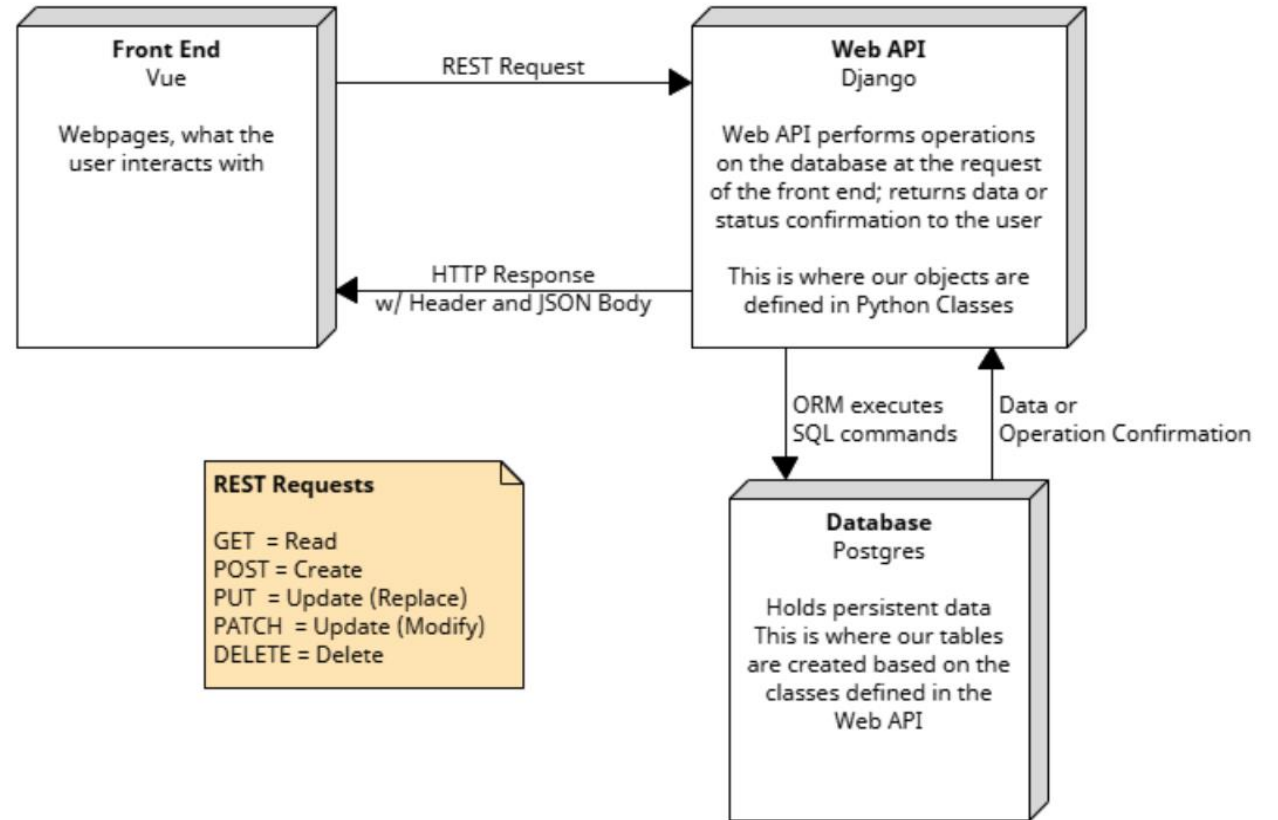
Define our data models and implement CRUD for the models

03

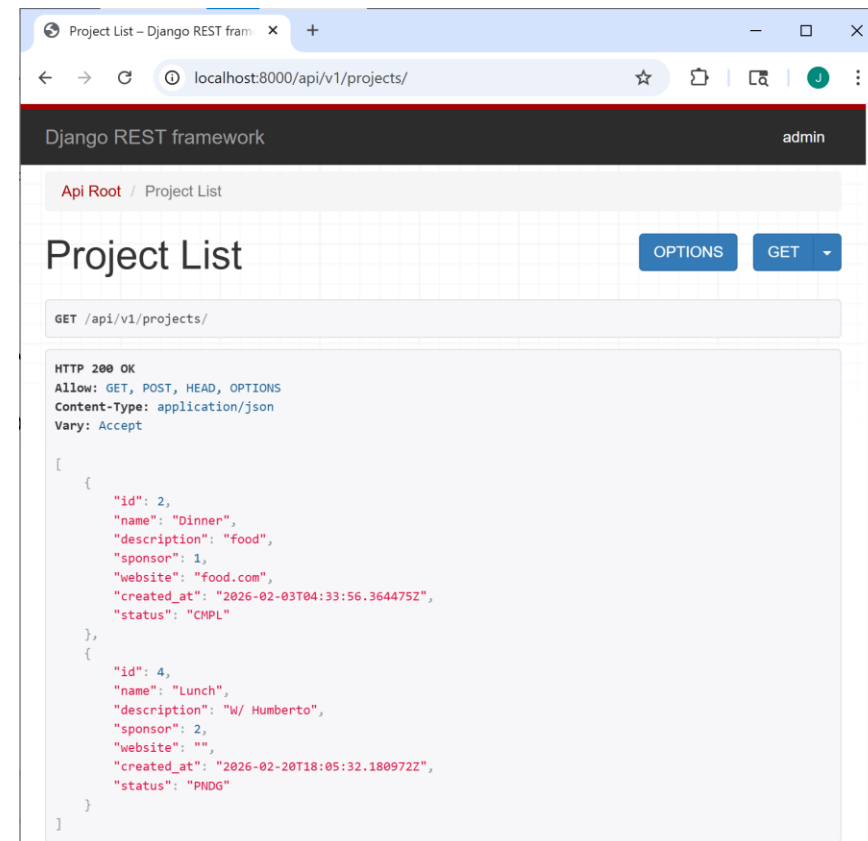
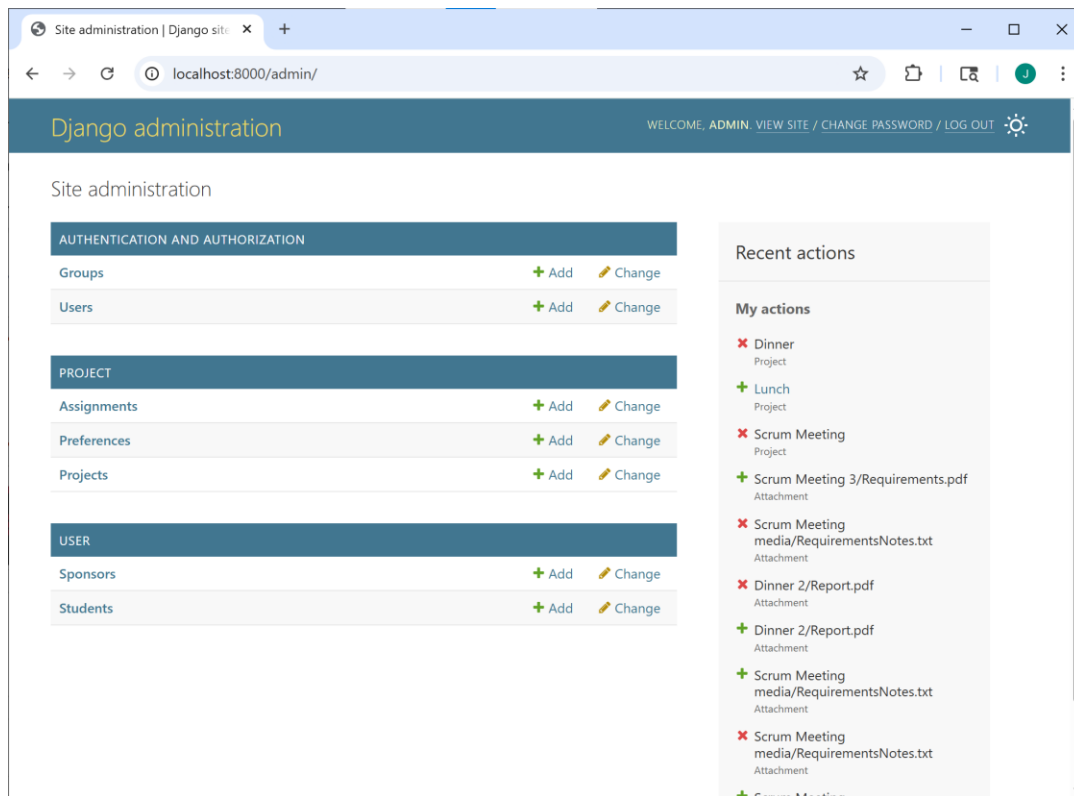
Establish a frontend UI based in Vue.js that is capable of listing records and entities

# Major Sprint Achievements: Backend

- Django REST API for accessing Postgres Database
- API has endpoints for performing CRUD operations on database objects via standard HTTP requests

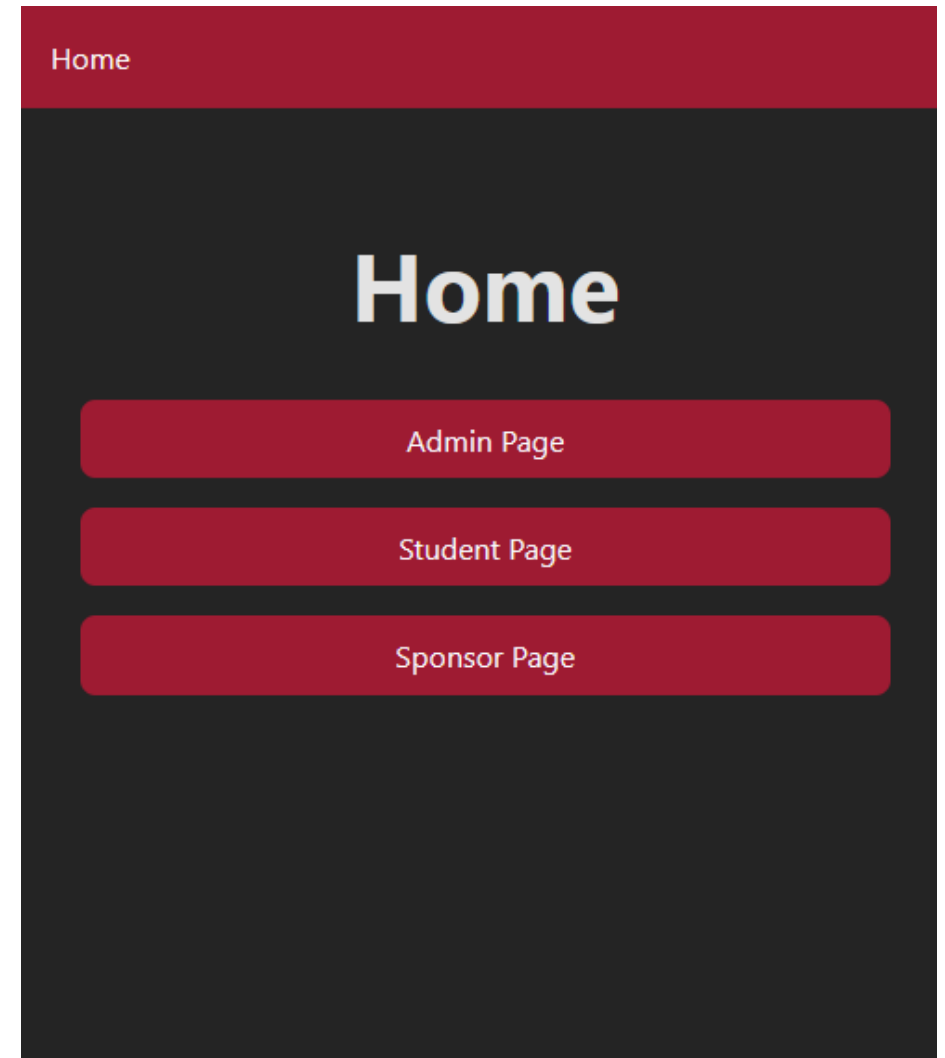


# Major Sprint Achievements: Backend



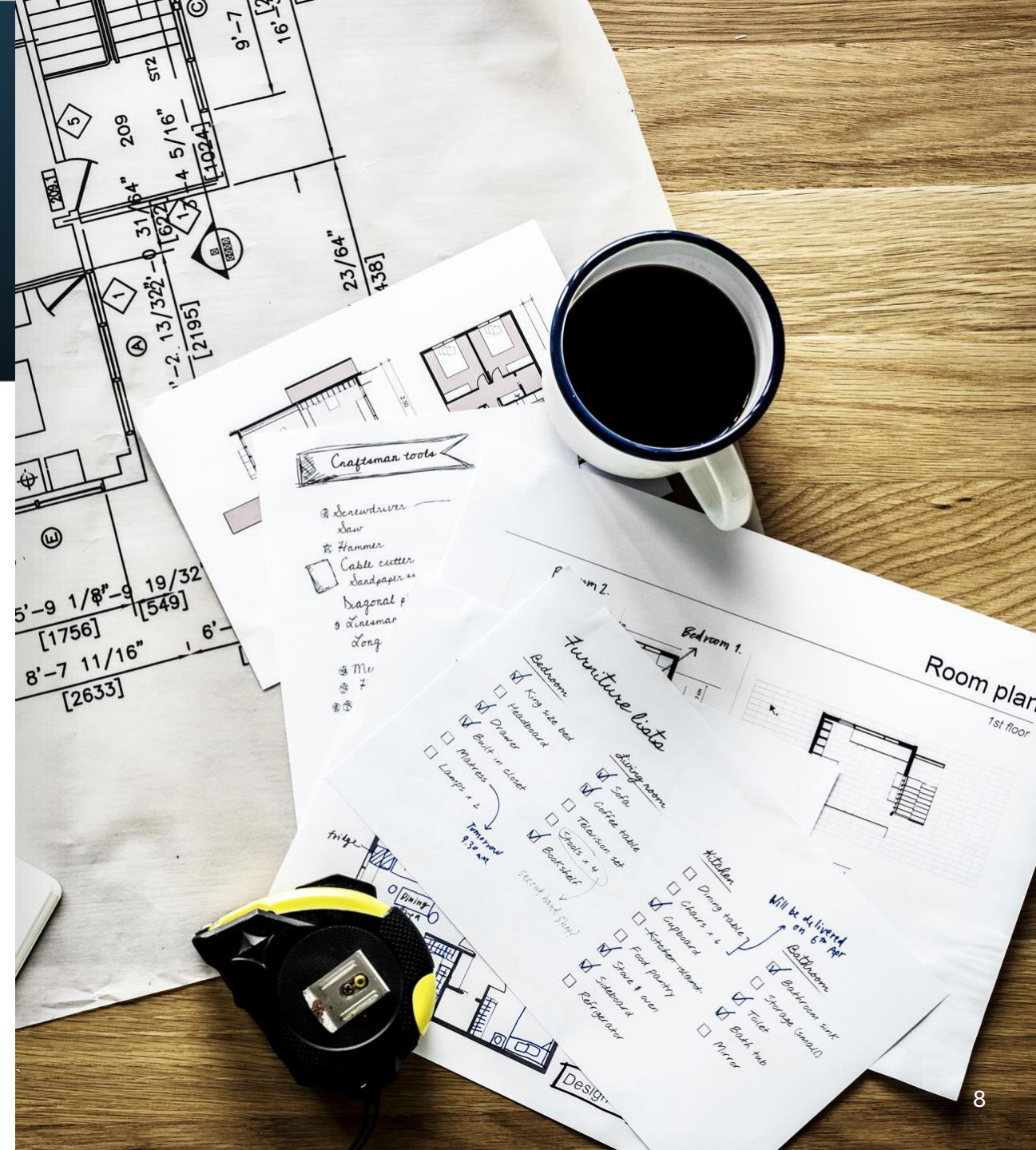
# Major Sprint Achievements: Frontend

- Vue.js
- Using Django API to retrieve data from backend
- Basic page structure
- Landings for each user type
- Placeholder buttons for each feature(to be implemented)
- Tabulator.js for data view



# Tasks Planned For Sprint 2

- Most project functionality
- Assigning projects
- Form filling
- User auth
- Email automation



# Project/Sprint Backlog

- 3 home pages
  - Admin
    - Automated emails
    - Import list of students
    - View student-project rankings
  - Student
    - View project bios
    - Submit student-project ranking
  - Sponsor
    - Submit/view project
    - Submit feedback
- Authentication w/ email

# Sponsor Feedback



- Tech stack and technical clarification
  - Docker
  - Deployable to the cloud
  - Email authentication
- Confirmed initial functionality scoping
  - Automated email form
  - Submission form
  - Student import from blackboard
  - ETC.

# Cyber Security Items



## GitHub private vs public

Branch protection rules, Github pages



## Environment Files



## Root user within Docker containers

# Contributions

GitHub Repository, Pages and Website: All members, set up by Jackson

Configuring development environments: All members

Docker Configuration for Project: Jackson, Cole K, Cole M

Project Scoping: All members, set up by Cole K

Backend: Jackson, Cole K, Cole M

Models: Gates, Jackson, Thomas, Cole K

Frontend: Cole M, Cole K

Student CSV importation: Jackson