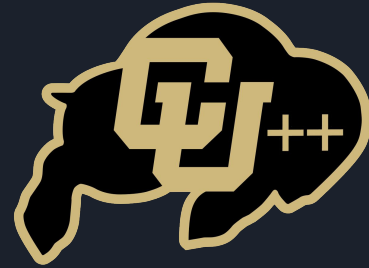# Buffs++ Tutoring Website

Team Members: Ojas Baral, Sophia Soka, Nick Cisne, Cade Mather, Vesaun Shrestha, Amelia Lunn

What is Buffs++ Tutoring?

Our Vision: To provide for Buffs in computer science with resources to learn, teach and excel.
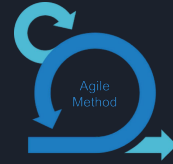
Primary Features of our Site:

- User Registration and Roles - Easy registration as a tutor, student, or both to easily offer and receive help with related academic material.
- Tailored Pages for Tutors and Students - Personalized pages guide tutors to students and vice versa for efficient matching.
- Dynamic User Profiles - Comprehensive user profiles with essential details for effective communication and discovery.
- Database Structure - Robust database linking user pairs, tracking course information, and facilitating seamless matchmaking.

Tools and Methodologies Used

Development Methodology: Agile   **Rating:** 4/5

Version Control Software: Github   **Rating:** 5/5

Database: PostgreSQL   **Rating:** 5/5

IDE: VSCode   **Rating:** 5/5

UI Tools: Figma, dbdiagram.io   **Rating:** 5/5

Tools and Methodologies Used

Application Server: NodeJS   **Rating:** 5/5

Deployment Environment: Azure   **Rating:** 4/5

Containerization: Docker   **Rating:** 3/5

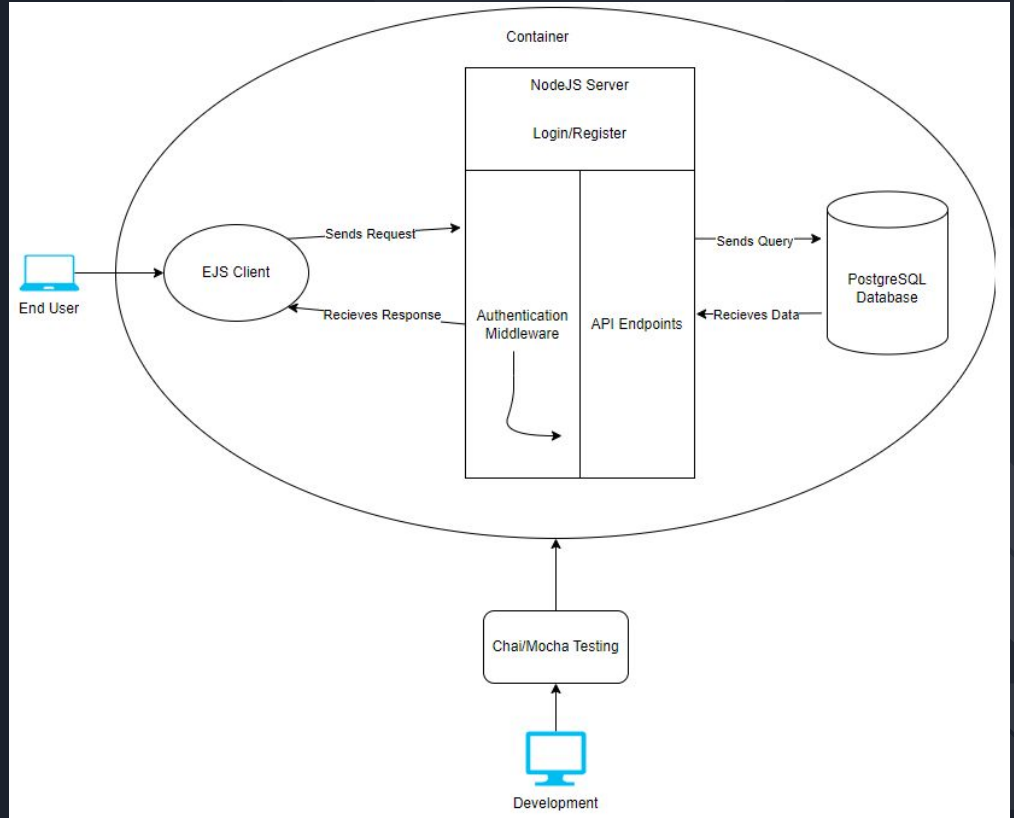**Testing Tools:** Mocha and Chai   **Rating:** 4.5/5
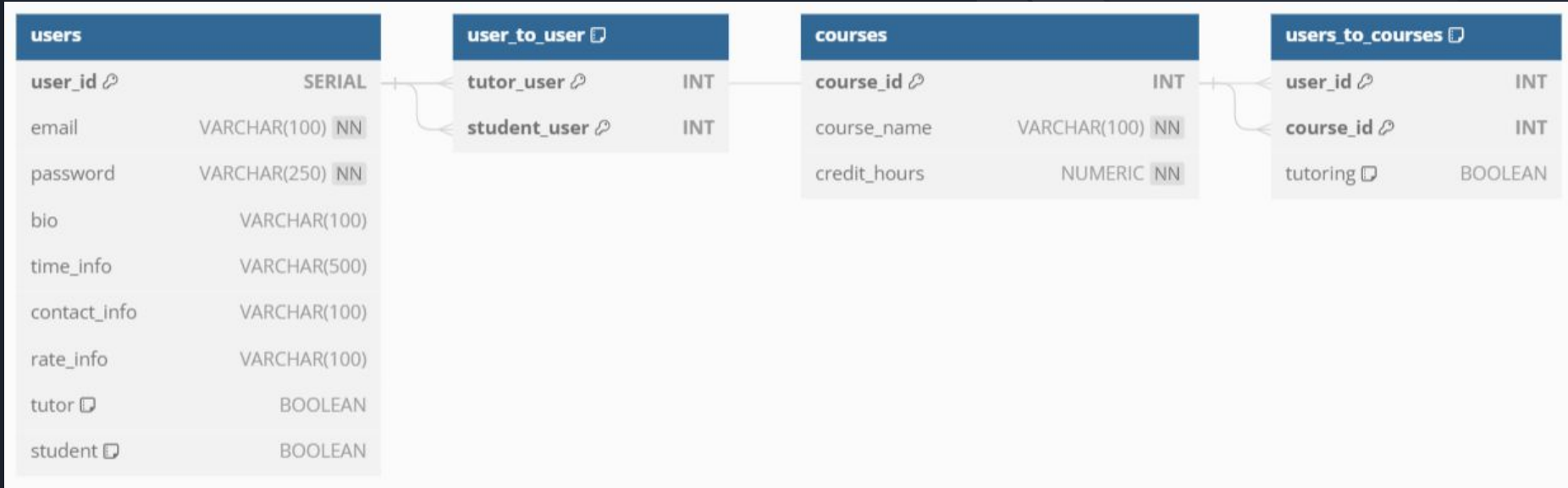
Communication: Discord   **Rating:** 5/5
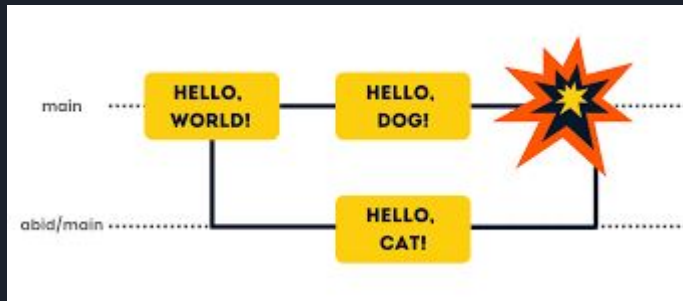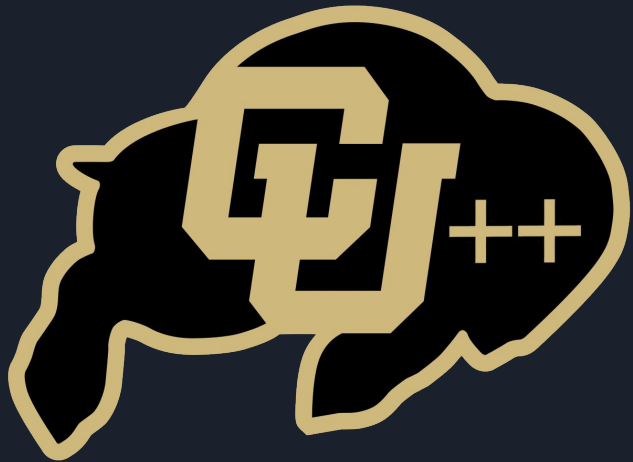
Architecture Diagram

Database Schema

users

user_id 🔑	SERIAL	
email	VARCHAR(100)	NN
password	VARCHAR(250)	NN
bio	VARCHAR(100)	
time_info	VARCHAR(500)	
contact_info	VARCHAR(100)	
rate_info	VARCHAR(100)	
tutor 🗅	BOOLEAN	
student 🗅	BOOLEAN	

user_to_user 🗅

tutor_user 🔑	INT	
student_user 🔑	INT	

courses

course_id 🔑	INT	
course_name	VARCHAR(100)	NN
credit_hours	NUMERIC	NN

users_to_courses 🗅

user_id 🔑	INT	
course_id 🔑	INT	
tutoring 🗅	BOOLEAN	

Challenges Encountered During Development

- Multiple test folders merged to main branch
- Resolving conflicts when merging to main
- Found a post button on the students page to be redundant and got rid of that functionality

Questions?