Team Number: Team 6

Team Name: Buffs++

Team Members:
- Vesaun Shrestha - vesaun - vesh9653@colorado.edu
- Cade Mather - cademather - cama1314@colorado.edu
- Nicholas Cisne - nickcisne - nici6684@colorado.edu
- Sophia Soka - SophiaSoka - roso1037@colorado.edu
- Amelia Lunn - amlu6553 - amlu6553@colorado.edu
- Ojas Baral - ojasbaral - ojba5335@colorado.edu

Application Name: Buffs++ Tutoring

Application Description:
Users can register as either a tutor or a student if they do not have an account.
- Users can register as either a student, tutor or both.
- Once logged in, users can view the students or tutors pages based on how they registered. Tutors will be able to view a page full of students looking to get academic help, students will be able to view a page of tutors offering it.
- Users can log in and out of the application and the session will be maintained.
- Will have a database with the following tables:
  - users
    - email
    - password
    - relevant profile info such as availability and rate
  - user_to_user
    - links student-tutor pairs based on ID
  - courses
    - course ID
    - name
    - credit hours
  - users_to_courses
    - links courses to users - students needing help in a specific course are offered help by tutors who have marked it on their account
- Users will have a full UI to interact with the application, including a profile page to update different features of their account, including availability, rate, bio and contact information

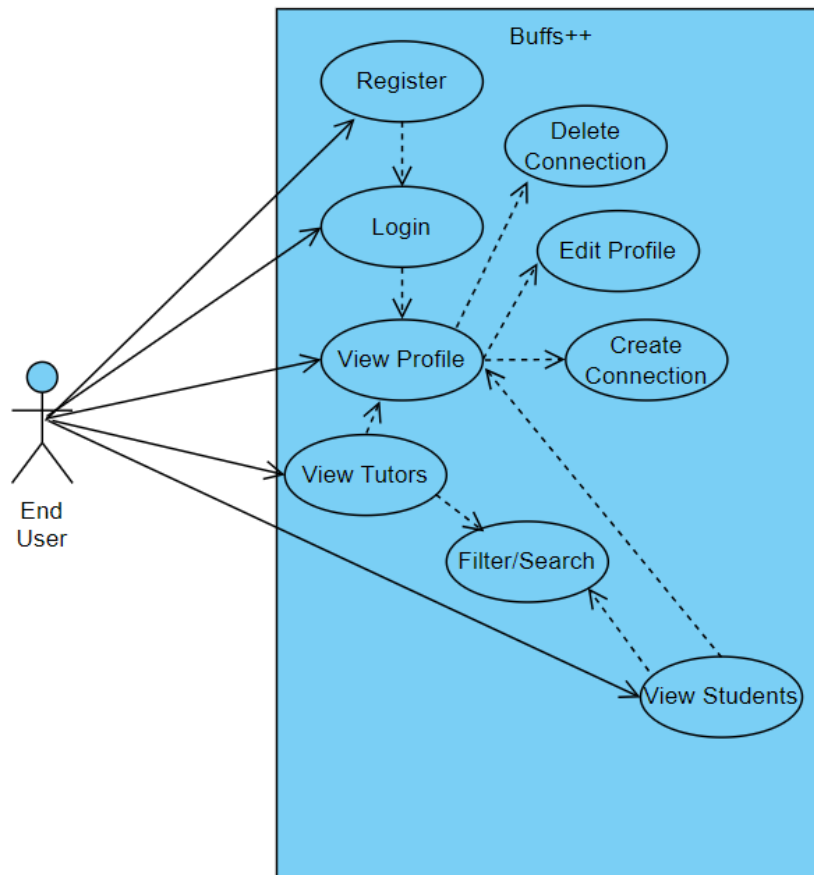**Vision Statement**: To provide for Buffs in computer science with resources to learn, teach and excel.

Version Control: Github (https://github.com/ojasbaral/final-project-team-6) - each team member will have their own branch

Development Methodology: Agile

Communication Plan: We will use discord, iMessage group chat, shared Google Drive folder.

Meeting Plan: Team meetings will be on discord, weekly on Tuesdays at 4:00. Our TA meetings will be on Fridays at 4:45.

Use Case Diagram:

Wireframes:

Login Page:

Login Register

Login

Email

Password

Don't have an account? Register

Login

Registration Page:

Register

Email

Password

Already have an account? Login

Register

Registration continued:

Populate your Profile

Bio

Courses

Times Available

Monday	Tuesday	Wednesday	Thursday	Friday

Contact Information

Tutor ☐   Student ☐

Update Profile

Student Users Feed:

Students

| Name | Course | Time | | Search |

Student Email	Course Names	Time available	
john.doe@example.com	Computer Science 101	Monday: 3-5 PM	View Student
john.doe@example.com	Computer Science 101	Monday: 3-5 PM	View Student
john.doe@example.com	Computer Science 101	Monday: 3-5 PM	View Student

Tutor Users Feed:

Students   Tutors   Profile   Logout

Tutors

| Name | Course | Time | | Search |

Tutor Email	Course Names	Time available	
john.doe@example.com	Computer Science 101	Monday: 3-5 PM	View Tutor
john.doe@example.com	Computer Science 101	Monday: 3-5 PM	View Tutor
john.doe@example.com	Computer Science 101	Monday: 3-5 PM	View Tutor

Profile Page:

Students   Tutors   Profile   Logout

Your Profile

Edit Profile

Email: john.apple@gmail.com

Tutored 2 students
Learned from 1 tutor

Classes:

CSCI 1200

CSCI 2270

CSCI 2400

Times Available: MWF 2-5 P.M.

Price Range: 15-20 an hour

Bio:
Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est, qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit, sed quia non numquam eius modi tempora incidunt ut labore et dolore magnam aliquam quaerat voluptatem.

Our Technology Stack:
Front End:
HTML/CSS (EJS)
BootStrap

Back End:
Node.js
Express.js

Database:
PostgreSQL

Database Schema:

users

Column	Type	
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

Column	Type
tutor_user 🔑	INT
student_user 🔑	INT

courses

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

users_to_courses

Column	Type	
user_id 🔑	INT	
course_id 🔑	INT	
tutoring	BOOLEAN	