Campus Insider Phase 3 Contributions
COS 457/ COS 557
Professor Behrooz Mansouri

Team Members:
- Nathaniel Serrano
- Benjamin Franklin
- Ahmad Mouhsen

Contributions:
- Nathaniel Serrano
  - Setup Webapp framework, including React + Vite frontend template and starting the Flask project for the backend
  - Created the general aesthetic of the web app
  - Created the following pages:
    - Home
    - Login
    - Register
    - UniversityInfo
    - LocationInfo / Search
    - UniversitySearch
  - Wrote the following APIs:
    - /api/login
    - /api/register
    - /api/search
    - /api/university
    - /api/locationSearch
    - /api/equipmentTags
    - /api/accessibilityTags
  - Modified the following:
    - /api/locationRatings
    - /api/addReview
  - Identified and optimized one potential bottleneck in the optimization report
  - Implemented features covering database security & authorization
    - Connected MySQL user to web app with least necessary privileges
    - Query DB in backend through parameter binding to protect against SQL injection
    - Password hashing on user passwords
  - Created install and run scripts for MacOS
  - Video

- ■ Showed application setup and frontend functionality

- ● Benjamin Franklin
  - ○ Created the following pages:
    - ■ Ratings
    - ■ (Add Rating)
  - ○ Wrote the following APIs:
    - ■ /api/locationRatings
    - ■ /api/addReview
  - ○ Modified the following pages:
    - ■ UniversityInfo
      - ● Small logical error fixes
  - ○ Identified and optimized a potential bottleneck in the optimization report
    - ■ Adding cover index to most used query
  - ○ Implemented features covering database backup and recovery
    - ■ backupMac.sh
    - ■ restoreMac.sh (slightly broken as of now)
  - ○ Contributed to video
  - ○ Contributed to presentation

- ● Ahmad Mouhsen
  - ○ Modified Admin.jsx
    - ■ Added add university and state
    - ■ Added add campus
    - ■ Added add building
  - ○ Attempted modifying backend
    - ■ code broke other parts of the project so it was removed.
  - ○ Worked on Slides
    - ■ Made Lessons learned
    - ■ Worked on overview
  - ○ Failed to get the database to connect to the web app
    - ■ Couldn't make a recording going over the database interactions of the web app.