

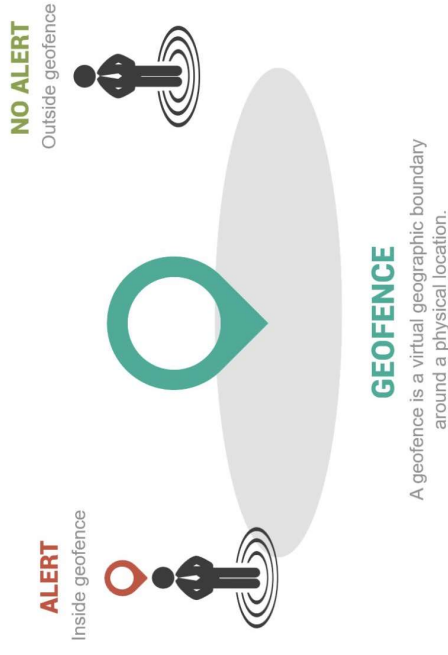
Team GeoUnity GeoAttendance

Bence Danko, Da Thao Trinh

Github URL: <https://github.com/bencejdanko/GeoAttendance>

Project Description

- Users within boundaries will be able to check-in
 - We specify the location latitude, longitude, and radius user must be in to be marked
- Upon checking-in, the users will receive an email which confirms their attendance status
- Real-time updates on attendance and historical attendance
 - Per user in a Group: historical attendance within group events - ratio and trends



Progress Summary

- **Committed to since the previous meetup**
 - Design Login and Sign-Up
 - Setup NodeJS, React package, TailwindCSS, PostgreSQL
 - Begin implementing SQL ER diagram schema and queries
 - Begin Login/Signup API logic
- **Completed**
 - Designed Login and Signup pages.
 - Setup NodeJS, React package, TailwindCSS, PostgreSQL

Milestone

- No missing milestone.
- Current milestone: Milestone 2 (2/19 - 3/22) Build User API and UI for login, registration, landing, attendance history, feedback, about us pages.

Project Issues

Void:

Are you planning on doing something like Bluetooth range? -Team Jump and Launch

The current web spec does not include capabilities for Bluetooth tracking so we do not consider the usage of Bluetooth at this time.

Project Issues

Bugs:

N/A

Project Issues

Enhancement - Short Term

Can facial recognition recognize photos or masks from real faces? - Team Jump and Launch

- The AI recognition technology will be an algorithm that detects the number of faces from an uploaded photo, such that the host can verify the number of attended students.

Project Issues

Enhancement - Long Term

How are you going to specify a location if it's in a building with more than 1 floor? How can you track to see if the student is on the right floor? - Team Jump and Launch

- We can only check within the specified geotracking radius.
- One improvement could be a facial recognition feature, allowing the host to take a picture of all attendees and provide an attendee count estimate.

... try to provide manual check-in options for situations where automatic tracking is impractical - Professor Tsao

A dashboard providing today's attendance percentage.

- We plan to show the attendance rate per event, within groups, and per user in groups.

Job Assignments

Task	Member
APIs	Bence
Backend	Bence
UI/UX	Da Thao
Frontend	Da Thao
Setting up development environments & Testing	Bence & Da Thao