

Week 4: Team Report

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

A list of action items that were:

- **Committed to since the previous meetup**
 - Design Login and Signup pages.
 - Setup React package for the project.
 - Install TailwindCSS library for frontend.
 - Worked on week 4 report.
 - Begin implementing SQL schema and queries
 - Learn about JSON web tokens for API authorization
 - Develop backend build instructions
- **Completed**
 - Designed Login and Signup pages.
 - Worked on week 4 report.
 - Setup React package for the project.
 - Installed TailwindCSS library for frontend.

Milestone

- No missing milestone.
- Milestone completed: Milestone 1 (2/5 - 2/16): Initialize technology frontend, backend development environments.
- Current milestone: Milestone 2 (2/19 - 3/22) Build User API and UI for login, registration, landing pages.

Address the product issues based on the feedback from your colleagues, and TA.

- **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.
- **Bug**
 - None
- **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.
- 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
 - Currently we only support tracking using geofencing, which means that we only verify if an attendee is within the accepted radius. In order to improve the correctness of the attendance tracking process, we plan to implement a facial recognition feature, allowing the host to take a picture of all attendees and use our system to verify the attendant status of each person.