

## Code Review for CS34

### Build

#### **Could you clone from Git and build using the README file?**

Cloning was possible. Unfortunately, the README file was not enough. Additional information and steps beyond what were covered in the README file were needed.

In the README file, there was no information on what Yarn is or how to set it up in the or a link to a resource that provides that information.

While in the master branch, attempting to run the server code in "main.py" leads to an error about an undefined name, "@auth". Apparently, the branch "auth" does not have this problem, which allows the project to work. This information was provided during the code review session, but it was not in the README file.

### Legibility

#### **Was the flow sane and were variable names and methods easy to follow? Does the code adhere to general guidelines and code style?**

It was not difficult to read the code and get the gist of what is being done. The code is formatted and organized fairly well for the most part. The methods are not too packed, and the variable names are reasonable. More liberal use of whitespace might not be a bad idea though.

### Implementation

#### **Is it shorter/easier/faster/cleaner/safer to write functionally equivalent code?**

#### **Do you see useful abstractions?**

As someone with limited experience in working with Python and no knowledge of Flask and React, I can only say that there is nothing clearly wrong with the implementation. I noticed

there are several classes defined and used for different kinds of entities in the Python code. The general cleanliness of the code shows that such abstractions were indeed useful.

## Maintainability

**Are there unit tests? Should there be?**

**Are the test covering interesting cases? Are they readable?**

There does not seem to be any unit tests. There should be tests at least for each of the routes of the server, and the corresponding pages of the client web application.

## Requirements

**Does the code fulfill the requirements?**

Based on the available code in the repository, most but not all of the requirements appear to be met. Whether the code actually works with the scouts is unknown and cannot be ascertained without the hardware. There does not appear to be code that provides support for Google Home. There is documentation for some of the functions and some of the code in general, but not everything.

## Other

**Are there other things that stand out that can be improved?**

There is nothing in particular, that has not been covered already.