0. Blaine Gann and Garrett Harty
1. Computer Science instructor wants a queueing system in reference to organizing the tutoring process.
2. The intended users would be students, tutors, and instructors.
3. The problem we currently have is that there's no systematic way to know what student has come first for help. This makes the process of tutoring less streamlined than it could be.
4. This system will benefit the instructors by providing them with the data collected from the tutoring sessions, thereby helping the instructor modify lessons as necessary. It will also benefit students by allowing them to get the help they need in a more efficient manner. Finally, it will help the tutors in their work by being able to help students in a more time-efficient manner.
5. The general flow for this system will be a student signing on with their single-sign-on login and request to be put in a queue with a general statement of what they'd like help with. They will then be assigned to the next in line for assistance from a tutor (if the tutors are currently engaged with other students). The tutor will accept the next in line and see the generalized request of what the student is needing help with and aid them as necessary. After the issue has been resolved, the tutor will then close the student's chat where the data will be saved for further use.
6. This project will be a website
7. An AWS docker container will be used
8. No hardware will be used in the making of this project.
9. Already existing queueing systems exist for this purpose, but as a free alternative for the institution, and as a learning experience for students, this project would benefit more from students creating the system laid out in this document.