

**CSCI 3308 - Fall 2022**  
**Group Project**

**Ostrich Algorithm // Quise**  
Group 016-03

**Team Members:**

| Name           | Github         | Email  |
|----------------|----------------|--|
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| Simon Walker   | simondoesstuff | simon@simonwalker.tech   |

**Application name:** Quise

# UI Spec

[UI Markup PDF](#)

# Details

## Pages

1. Global leaderboard
2. profile /account page w/ past scores
3. Page for the game

## Application Description

Players are given a set of timed quizzes of varying topics. Each player is given a score based off of the time to complete the quiz and the correctness of their answers. Quizzes are built off topics the user picks. The topics could be physics, chemistry, general engineering, computer science, etc. The quiz length would be 5 questions that are randomly selected from a bank we create.

The application will also include the ability for players to create their own profile to keep track of their quizzes, their scores and times. These profiles will then be ranked according to their scores in a global leaderboard so users can view their ranking in relation to other people.

## Vision Statement:

Idea: "To help students demonstrate their non negotiable, crushing superiority over others in the realm of knowledge"

## Version Control: Git

<https://github.com/jeb18843/CSCI3308-Final-Project-SciQuiz>

## Development Methodology:

Agile Methodology

Link to Project Board: <https://github.com/jeb18843/CSCI3308-Final-Project-SciQuiz/projects>

## Communication Plan:

Talk through text and Discord, meet during recitation and outside when necessary in the CSCI CSEL rooms on campus.

## Communication

Communication will be conducted over Discord. It will allow us to divide up the project into simple tasks and allow for sub groups to work on the project. Discord will allow for optimal non-synchronous communication regarding the project, as well as an optimal FOSS and low latency voice/video chat codec, namely Opus-codec, for team communication. We also plan to use our time in the lab effectively to finish most of our work for each given week.

**Discord Link:** <https://discord.gg/etNBtaUc98>

## Meeting Plan

**Team Meeting:** The plan is to meet on Mondays 3:45 in the CSEL right after our weekly TA meeting.

**Weekly Meeting with TA:** Meet on Mondays at 3:30 for (virtual) TA check in with Nikita. <https://cuboulder.zoom.us/j/6808546254>

## Use Case Diagram:

Inside Git Repo separately.

## Wireframe Diagram:

Inside Git Repo separately.

## DIRECTORY DIAGRAM:

```
| - <application code folder in the repository>
| --- node_modules
| --- package.json
| --- docker-compose.yaml
| --- views
| ----- pages
| ----- Quiz 1.ejs##QUIZ*.EJS FILE STRUCTURE HERE
| ----- Quiz 2.ejs##IS UNDER CONSIDERATION
| ----- Quiz 3.ejs##FILE STRUCTURE MAY BE
| ----- Quiz 4.ejs##SUBJECT TO CHANGE
| ----- LeaderBoard.ejs
| ----- Profile.ejs
| ----- login.ejs
| ----- register.ejs
| ----- partials
| ----- header.ejs
| ----- footer.ejs
| --- resources
| ----- css
| ----- style.css
| ----- js
| ----- script.js##ALSO MAY BE SUBJECT TO CHANGE
| ----- img
| ----- home.png
| --- index.js
| --- .gitignore
```

# Idea Warehouse

## Name Ideas

[Ostrich Algorithm](#)

## Project Ideas

Simple text based adventure

Course dependency graph

Trivia Game