**Comment on anything you have thoughts about**

**Capstone Project**

*Student-Tutor Check-In System*

**Problem:**

* Code Samurai and TutorTrac have unfriendly login and check-in systems that are:
  + Time consuming,
  + Overly complicated, and
  + Restrictive.
* Because of the unpleasant experience, both students and tutors avoid using those systems and thus there are holes in the login and check-in records.

**Platform:** html, js, php, mysql (?)

**Notes:**

* After logging in once, login information is saved as cookie
* On student home page:
  + Buttons to check-in with tutor are the most prominent on the page
* On tutor home page:
  + Buttons to clock-in and check-in student are most prominent
* On admin home page:
  + Table showing most recent tutor/student activity is most prominent

**Specifications:**

* Create an application that allows **tutors** to clock in and check-in **students** quickly and efficiently without being complicated or restrictive.
* The application should store **tutor** and **student** information and use that information to create records for tutors and students as they login and check-in.
* The application should organize **tutors** in a **tutor group** which will be controlled by **admins**.
* The admins of a tutor group give people **permission** to make tutor accounts via email.
* Students:
  + Account Info:
    - Login / password
    - Student id
    - Year in School (freshman / sophomore / etc.)
    - First name
    - Last name
    - System ID is generated for a student such that they do not have to fill out any information. When they do fill out information, the database will update wherever the student’s system ID appears.
  + Student must choose the tutor group they want to use
  + Can log in and use a number of methods to check-in with a tutor
    - Generate QR Code for tutor to scan
    - Lookup their tutor and click their name and course (this sends confirmation message to tutor)
    - Type their student\_id and course into prompt tutor presents to them
  + Can view their
    - (and change) Account info
    - check-in / check-out times
    - tutor they were with,
    - the class they needed help with
    - The statistics of how often they go to tutors for each class
  + Send tutors messages and view their hours
  + View tutor rating and reviews / rate tutor performance and leave review
* Tutors:
  + Account Info
    - Login / password
    - Student id
    - First name
    - Last name
    - Courses they can tutor
    - Schedule
  + Must choose from list of tutor groups they are involved in
  + Can clock in and use a number of methods to check-in student:
    - Use scanner to scan QR Code
    - Lookup the student and click their name and the course they want help with (this sends confirmation message to student)
    - Type the student’s Student ID and course they want help with
  + Once a student is checked-in, the app has a check-out button for the tutor to press when the student is finished.
  + A tutor can view:
    - (and change) Account info
    - The check-in / check-out information for the students they tutored
    - Their login-logout information
    - The statistics of how often they help students with each class
    - That statics of how often they see each student that comes to them for help
    - Statistics of how often they see each student for each course by year (sophomore / freshman/ etc.)
  + Send students messages
  + Write “notes” attached to a student that can only be viewed by tutors and admins
  + View any notes attached to a student by any tutor or admin
* Admins:
  + Account Info
    - Login / password
    - First Name
    - Last Name
  + Create and delete tutor groups
    - Tutor groups become invisible
    - All data remains for future use
  + Send invites to tutors so that they can create accounts
  + Set time limits for tutors so that their accounts expire by a certain date or after a certain amount of time
    - Accounts lock
    - All data remains on the server for future use
  + Can lock tutor accounts at any time
  + Can view tutor activity
    - Login / logout
    - Check-in / check-out
    - Statistics for each tutor
    - Overall statistics for all tutors (course and student)
  + Can view tutor reviews
    - Can view tutor ratings
    - Can view tutor reviews by students
  + Can view tutor notes on students

**Additional Ideas**

* We could add a system for tutors to handle days they cannot work:
  + You click that you cannot come a certain time on your schedule and it sends a message to all tutors with similar qualifications asking if they can substitute for you that day.