

# CS Capstone Design

## Technical Demo Grading Sheet (100 pts)

TEAM: Agone

**Overview:** The main purpose of the “Technical Demos” is to very clearly communicate the extent to which the team has identified key challenges in the project, and has proven solutions to those challenges. Grading is based on how complete/accurate the list of challenges is, , and how convincingly and completely the given demos cover the given challenges.

This template is fleshed out by the team, approved by CS mentor, and brought to demo as a grading sheet.

### Risky technical challenges

Based on our requirements acquisition work and current understanding of the problem and envisioned solution, the following are the key technical challenges that we will need to overcome in implementing our solution:

**C1: Flexible Dashboard.** Being able to feasibly implement a customizable GUI to account for multiple dashboards and user preferences may be tough. We will show that columns can be rearranged with drag-and-drop capabilities as well as a drop-down menu to temporarily hide columns to only view desired information.

**C2: Database Connectivity.** AWS being able to connect with the front end prototype and take in feedback. Show the database is currently active and taking in data from the framework.

**C3: Secure Authentication.** Having an account for one user to connect to the framework. Demo the ability to log-in and fail to log-in.

**C4: Survey Notification System.** Athletes should receive notifications from wellness surveys weekly or whenever the coach requests for that information. This system should send out a notification to the athlete using a button on the dashboard.

**C5: Export Data.** The ability to export the data in the table to the database.

**C6. Chat system** We want a fully functional chat system between the coaches and athletes for each day. This system will archive this information for the coaches.

### Challenges covered by demos:

In this section, we outline the demonstrations we have prepared, and exactly which of the challenge(s) each one of them proves a solution to.

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#### Demonstration 1: Flexible Dashboard

Challenges addressed: **C1.** Can we implement a dashboard with a flexible interface? **C4.** Can a user receive an email request for weekly information. **C5.** Can the dashboard send information to the database?

Flight Plan: Step by step overview of demo

### **C1. Flexible Dashboard**

1. Open coach dashboard.
2. Change view to show multi-view dashboard.
3. Drag and drop columns to show flexibility.

### **C4. Survey Notification System**

1. Click the Wellness Survey button on the dashboard.
2. Check if a Wellness Survey email has been received.

### **C5. Export Data**

1. Enter in information to be saved
2. Click the distill information button to save information to the database.

Evaluation:

- Convincingly demo'd each of listed challenges?
- Other evaluative comments:

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## **Demonstration 2: Database Connectivity**

Challenges addressed: **C2.** AWS being able to connect with the front end prototype and take in feedback. Show the database is currently active and taking in data from the framework.

Flight Plan: Step by step overview of demo

### **C2. Database Connectivity**

1. Show AWS is active.
2. Show the data being collected from the framework.

Evaluation:

- Convincingly demo'd each of listed challenges?
  - Other evaluative comments:
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**Demonstration 3: Secure Authentication**

Challenges addressed: C3. Set up a log-in page that will allow a user to log into their account and redirect to the account page. Fails to log users in if they enter the wrong credentials.

Flight Plan: Step by step overview of demo

**C3. Secure Authentication**

1. Show the login page.
2. Show that when incorrect credentials are inputted the system doesn't work.
3. Access the account page after entering in the correct credentials.

Evaluation:

- Convincingly demo'd each of listed challenges?
  - Other evaluative comments:
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**Other challenges recognized by not addressed by demo:**

If there were challenges you listed earlier that were *not* covered by a demo, list here. This will hopefully be a short list...but better to be clear about where you are. If you have items here, you could list (if applicable) any pending plans to reduce these risks.

**C6. Chat system** We want a fully functional chat system between the coaches and athletes for each day. This system will archive this information for the coaches. We will not implement this feature as a full chat system that interacts with every part of our system won't be feasible since we won't have every part of the system up at this point in time.