

# CS Capstone Design

## Technical Demo Grading Sheet (100 pts)

**TEAM:** \_\_\_\_ **Jacks Peer Pages** \_\_\_\_

**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: Creating a secure and verified account.** A user must be able to create an account.

Users must use a strong password, pass authentication, and retrieve a verification email that will validate their account. The account must then let the user access the rest of the website.

**C2: Searching for an article.** A user must be able to search for an article. The user should be able to look up the name of the article and find it. A potential problem would be the user misspelling the article name. To combat this, the user can retry the search.

**C3: Viewing an article.** A user must be able to view an article. They should be able to see details, including but not limited to the title, abstract, and authors of the article.

**C4: Viewing a peer review.** A user must be able to view a peer review associated with an article. Users must be able to easily find the location of the peer reviews and intuitively understand how to access the peer review page.

**C5: Posting a peer review.** A user must be able to post a peer review of a selected article. The user should be able to fill out a form that facilitates this, and then the peer review should be available for viewing.

**C6: Creating a citation.** A user must be able to create a citation of an article. The user should be able to specify the citation format desired and then click a button, copying the citation to their clipboard. They should then be able to paste the citation.

## 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: Creating an account

Challenges addressed: C1: Creating a secure and verified account.

Flight Plan:

1. On the initial website page, click the sign-up button.
2. Fill out the form, which includes email, username, password, and password verification.
3. The user will be required to change their password if it does not meet the password requirements.
4. Authentication will occur, and an email will be sent out within a few minutes to validate the account.
5. The account will be made, and the user will be able to log in.

Evaluation:

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

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### Demonstration 2: Article Look-up

Challenges addressed: C2: Searching for an article.

Flight Plan:

1. After logging in, the user can click on the search bar in the top navigation bar.
2. The user can type in the name of an article they wish to find.
  - a. If no articles appear in the search, they are not in the system.
3. The user should also not need to look anything up in the search bar
  - a. This should display all articles.

Evaluation:

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

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### Demonstration 3: Article Viewing

Challenges addressed: C3: Viewing an article.

#### Flight Plan:

1. After finding an article through search, the user should be able to click on the article of their choice.
2. This page should display details about the article, including, but not limited to, the abstract and authors.
3. On the page, the user should see options to edit the page and to create a peer review for the page.
4. At the top right should also be buttons to get the citation or view the article (links to the actual article publication).
5. At the bottom of the page, there should also be a list of clickable peer reviews of the article.

#### Evaluation:

- ✓ Convincingly demo'd each of listed challenges?
  - ✓ Other evaluative comments:
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### **Demonstration 4: Peer Review Viewing**

Challenges addressed: C4: Viewing a peer review.

#### Flight Plan:

1. After clicking on an article, the user should see a list of peer reviews at the bottom of the article page.
2. Each peer review listed should show details such as the peer review title and author(s).
3. Each of these peer reviews should be clickable, so that clicking on one takes the user to that peer review's page.
4. On the peer review page, the user should see information about the original article, the title of the peer review, its authors, and the review itself.

#### Evaluation:

- ✓ Convincingly demo'd each of listed challenges?
  - ✓ Other evaluative comments:
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### **Demonstration 5: Peer Review Posting**

Challenges addressed: C5: Posting a peer review.

#### Flight Plan:

1. While on an article page, the user should see a button labeled "Write Peer Review."

2. Clicking on this button should take the user to a form page titled “Upload Peer Review,” which displays the original article’s title and publication number.
3. Below the article information, there should be input boxes for the Review Title, Status, and be able to add text content.
4. At the bottom should be buttons to either “Save” or “Cancel.” Saving will add the peer review to the list at the bottom of the article page, and cancel will scrap the peer review.

Evaluation:

✓ Convincingly demo’d each of listed challenges?

✓ Other evaluative comments:

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### **Demonstration 6: Citation Creation**

Challenges addressed: C6: Creating a citation.

Flight Plan:

5. While on an article page, the user should see a button labeled “Get Citation.”
6. Clicking on this button should take the user to a page called “Generate Citation,” on which there is a dropdown to select citation style and a “Generate” button.
7. Clicking on the generate button should populate the text area below with a citation for the article in the specified citation style, with a “Copy Citation” button underneath to easily add the citation to the user’s clipboard.
8. At the bottom should be a “Back to Article” button so that the user can effortlessly return to the article they were looking at.

Evaluation:

✓ Convincingly demo’d each of listed challenges?

✓ Other evaluative comments:

### **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.

1. The hosting service going down.
2. AI articles flooding the platform.