

CS Capstone Design

Technical Demo Grading Sheet (100 pts)

TEAM: Team Badgers

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: Login System Giving the user the ability to log in to the application. The username and password must be authenticated with a specific regular expression and upon successful login, the user is given access to the application.

C2: Badge Delivery System Giving the user the ability to send and receive badges. Implementing the ability to successfully send a badge to another user and showing the new badge in the user's library alongside updating the waterfall feed.

C3: Kudos Delivery System Giving the user the ability to send and receive Kudos. Implementing the ability to successfully transfer Kudos from one user's bank to another. Showing the updated Kudos count from each user's bank and an update to the waterfall feed.

C4: Email Signature Integration Giving the user the ability to generate an email signature and highlight some of their earned badges. We must show that the user can select up to 3 of their badges and create a custom layout for their email signature. Then the user must be able to save their signature as an image or copy the generated email signature.

C5: Badge Printing Giving the user the ability to print a badge they have earned. A user should be able to view the badge as a Standard PDF image type where they can save and/or print it from the application.

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.

Demonstration 1: Demonstrate the ability to log-in and verify user input.

Challenges addressed: Login System

Flight Plan: Step by step overview of demo

1. Input invalid login information to prove authentication
2. Input valid login information to prove authentication
3. Display the transition into the application upon successful login
4. Display the ability to log out of the application successfully

Evaluation:

Convincingly demo'd each of listed challenges?

Other evaluative comments:

Demonstration 2: Demonstrate the ability to send and receive badges alongside notification updates

Challenges addressed: Badge Delivery System

Flight Plan: Step by step overview of demo

1. The user must click the option to send a badge in the side panel
2. Input the user that is receiving the badge
3. Specify the Badge being sent
4. Input message to send with badge

5. Check recipient's badge library
6. Check Waterfall feed for updated message

Evaluation:

Convincingly demo'd each of listed challenges?

Other evaluative comments:

Demonstration 3: Demonstrate the ability to send and receive Kudos alongside notification updates

Challenges addressed: Kudos Delivery System

Flight Plan: Step by step overview of demo

1. The user must click the option to send Kudos on the side panel
2. Input the user that is receiving the Kudos
3. Input the amount of Kudos to be sent
4. Check the sender's Kudos balance
5. Check recipient's Kudos balance
6. Check Waterfall feed for updated message

Evaluation:

Convincingly demo'd each of listed challenges?

Other evaluative comments:

Demonstration 4: Demonstrate the ability to generate a custom email signature with desired badges

Challenges addressed: Email Signature Integration

Flight Plan: Step by step overview of demo

1. The user must select the email signature integration option on the side panel
2. The user must select up to three of their badges to be displayed
3. The user must customize the layout of the signature
4. The user will click generate the signature
5. The user may save the signature as an image or copy a generated custom email signature.

Evaluation:

Convincingly demo'd each of listed challenges?

Other evaluative comments:

Demonstration 5: Demonstrate the ability to print a badge

Challenges addressed: Badge Printing

Flight Plan: Step by step overview of demo

1. The user must select the badge printing option on the side panel
2. The user will choose which badge to print
3. Show the PDF output of the badge
4. The user can print and/or save the badge.

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.