

CS Capstone Design

Technical Demo Grading Sheet (100 pts)

TEAM: ____ArtGuard____

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 the framework for the website. We would like to have a strong framework for the website so we can continue to build onto it throughout the upcoming semester. This can be extremely challenging as creating a framework for our planned website will require a lot of work and a lot of different parts have to come together. *To show this we would want to show a working website that allows you to switch between pages seamlessly.*

C2: Connecting the Database to server. We would like the database to be connected to the website in order to update ratings, and forums. This can be challenging as making sure the database works for every team member using Next.js can be a difficult process. *To show a good solution we would like there to be a pre-defined website in the database with a rating in it to show off the concept.*

C3: Creating small forums. We would like to allow users to discuss tools and problems they have in a forum and allow comments to those posts. We want to display some posts and have the ability to create posts and edit them. This can be challenging as making sure the posts are edited and saved require a database to access and being able to write changes to the database. *To show this we would like to display a forum post we either make or have premade in the database to show that forums exist and can be read.*

C4: Signing into the Website. We want users to be able to sign into the website and stay signed in while navigating to different pages. This is a challenge as making sure the user is signed into the website and is making the website remember that they are signed in can pose security issues. However this is an important part of the website and we would like to have it done. *To show this we would like to show someone signing into the website and being able to sign out as well and also show a seamless switch to different pages while logged in.*

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: Base Website

Challenges addressed: C1, C4

Flight Plan: Step by step overview of demo

1. Show a homepage that has minimal style but functions using Next.js
2. Then navigate throughout different pages of the website
3. Then sign into the website
4. Then switch to different pages on the website and stay signed in

Evaluation:

Demonstration 2: Connect the Database

Challenges addressed: C2, C3

Flight Plan: Step by step overview of demo

1. Show the Databases in pgAdmin4
2. Then show the backend and connections
3. Show the ratings
4. Show creation of forum post
5. Show forum saved onto website by refreshing

Evaluation:

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.