

CS Capstone Design

Technical Demo Grading Sheet (100 pts)

TEAM: Climate Change

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: Importing Data. Our biggest challenge is getting the client’s data and importing it into MapBox with ease.

C2: Changing Shown Data. Be able to change the data being displayed on the map.

C3: Changing Appearance of Map (besides data). Be able to change things such as color

C4: Adding map to client’s website. integrate our program into the client’s existing website

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: Inputing Data to Mapbox

Challenges addressed: Importing Data

Flight Plan: Step by step overview of demo

1. Show map with no data
2. Extract data
3. Upload data
4. Show new map

Evaluation:

- ✓ Convincingly demo’d each of listed challenges?
 - ✓ Other evaluative comments:
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Demonstration 2: Show Mapbox Capabilities

Challenges addressed: Changing Data, Changing Map Appearance

Flight Plan: Step by step overview of demo

1. Bring up map with data already imported
2. Change data being displayed
3. Change color, change map format, etc.

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.

- C4 was not covered as this is a challenge we will face in a later iteration much closer to the end of our project, and we also don't have access to the back end of our client's personal website.