CS Capstone Design

Technical Demo Grading Sheet (100 pts)

TEAM: CRANCSTORM

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: Isochrone with POI. The Isochrone tool, which is a tool that will give a radius of obtainable land, withing a given radius in time given by the user. We want to add points of interest pins on the map that will let users see what POI they can reach.

C2: User Profiles. Integrating a User Profile so users can save their bicycling history like running apps that can help users track their runs and look back at the history. Also allows us to obtain and maintain user route data to help the algorithm calculate road intensity and/or more potential routes to give users.

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: POI Map

Challenges addressed: Isochrone with POI

Flight Plan: Step by step overview of demo

1. Load the local instance of the Cranc tool.
2. Then open the local hosted website.
3. Click Isochrone tab in the Navigation box.
4. Give a location with a defined time in the time box.
5. Click on one of the Pins to show what the pins will look like.

Evaluation:

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

Demonstration 2: User Sign In Feature

Challenges addressed: User Profile

Flight Plan: Step by step overview of demo

1. Load the local instance of the Cranc tool.
2. Then open the local hosted website.
3. Click the Sign in button.
4. Sign in if you have an account, if not click the "don't have an account?" Link.
5. Load the Sign-up page if needed and create an account.
6. Once Signed up you will be in and you can see a history tab where your rides will be saved.

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.