

CS 472 Artificial Intelligence

Weekly Project Team

Class Presentation Report

Team #: 2 Project Title: Urban Evac

Week #: 7 Date: March 17, 2017

Team Members Present: Bradley Griffiee, Rebekah Warnock, Giovanni Gaito, Grant Doohen, Shaun Cross, Nasi Robinson

Team Members Absent: None

Summary of Presentation:

Today we talked about the progress we had made thus far on the database, application and migration to OpenStreetMaps

Points Raised:

- We now have a fully functional SQL database with a REST API
 - As a low priority task we are looking to set up a backup database on one of our personal machines in case we hit the data-cap limit for the free tier of Microsoft Azure which we are using to host the database currently
- Our phone application is coming along, and currently we can get the location information from the phone and send that to the database
 - Now we are working on populating the database to start working with
- At the suggestion of the group last week we are moving the progress we had on the webpage to OpenStreetMaps for a more robust visualization of the information we generate.

Followup:

Following up on the discussion from last week about how our project was AI and what direction we were taking it in we now have a clear picture of the product that we want to create. Basically, it will consist of the database and the phone application as the primary features, and the webpage for administration view to visualize the current situation in a city. A user will interact with the app by opening the app and asking for a way out of the city. The app will then take the user's location data, query the database, run our algorithms for traffic flow control, and send back a link that will allow the user to open their personal "Evacuation Route" out of the city. We want this to interface with already well established products like Google Maps. All the intelligence will be on the back end where we are trying to minimize the travel time for everyone rather than just individuals, like how Google Maps would typically work. This along with the dynamic search we will be doing to find routes will complete our evacuation app.