ECE Senior Design Weekly Report

**Engineer’s Name:** Leon Tran             **Date:** 04/5/17

**Team Name:** The Globetrotters **Lab Section:** 4

**Week’s Task:** Map Animation, Error Handling for GUI, List of Locations on GUI, looking for Projection Material

**Results:**

* **GUI**
  + Switched from Google Maps API to Mapbox API, as Mapbox has access to map animation
    - Animation is smooth from location to location
  + When a location doesn’t have some certain pieces of information, the GUI shows no content or an error image
  + Have unique zoom levels for cities, countries, states, and continents
  + The GUI has a list of locations that can be shown on voice command
    - The user can access any locations from the list and it will update the GUI
* **Optional Projection Material**
  + Found a clear acrylic globe for $20
  + Found various rear projection paints for $60 and above
    - Used for Frosting the Glove to enhance the Image
  + Since we are more concerned with the physical levitation portion, I don’t think it would be an efficient choice to spend around $80 or more on these materials.