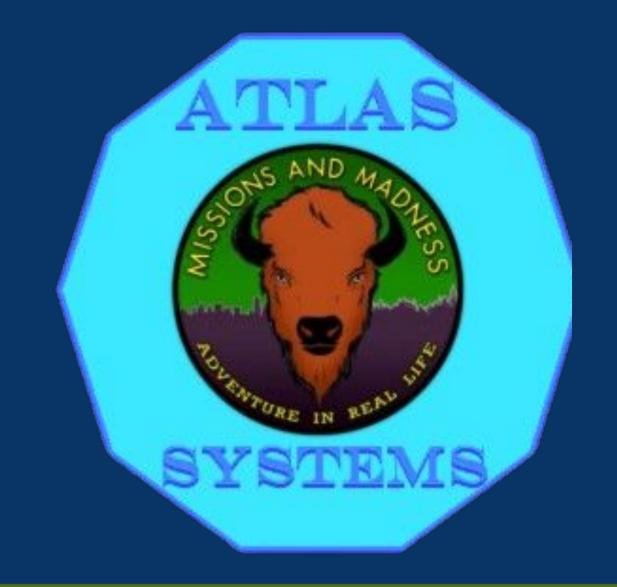


# Missions and Madness

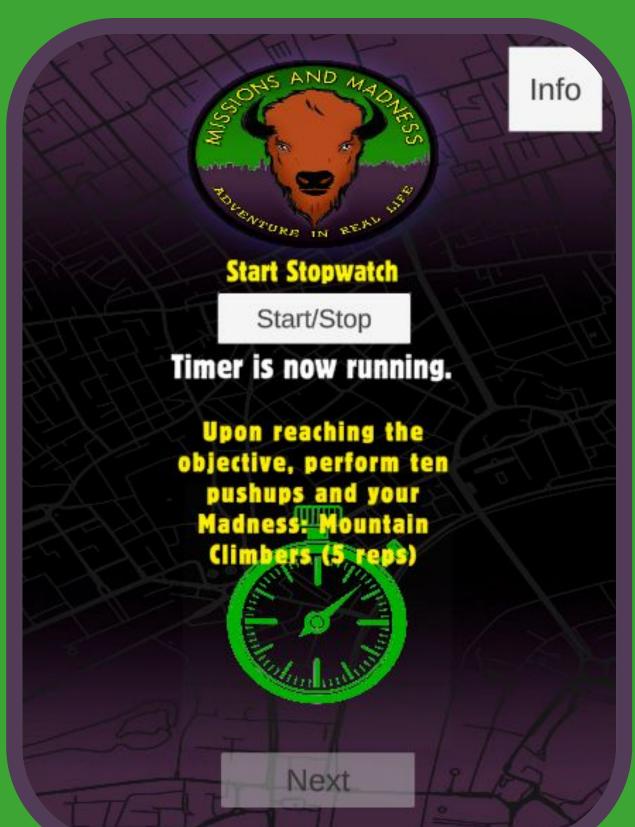
School of Informatics, Computing, and Cyber Systems

Team: Hunter Beach, Tristen Calder, Mitchell Morris, John Zeledon Client: Morgan Boatman, Winter Communications LLC, Flagstaff, AZ Team Mentor: Ogonna Eli



# Problem Statement

Missions and Madness began as a small scale location based adventure game, but our client wants to expand it! To do so we need to up scalability



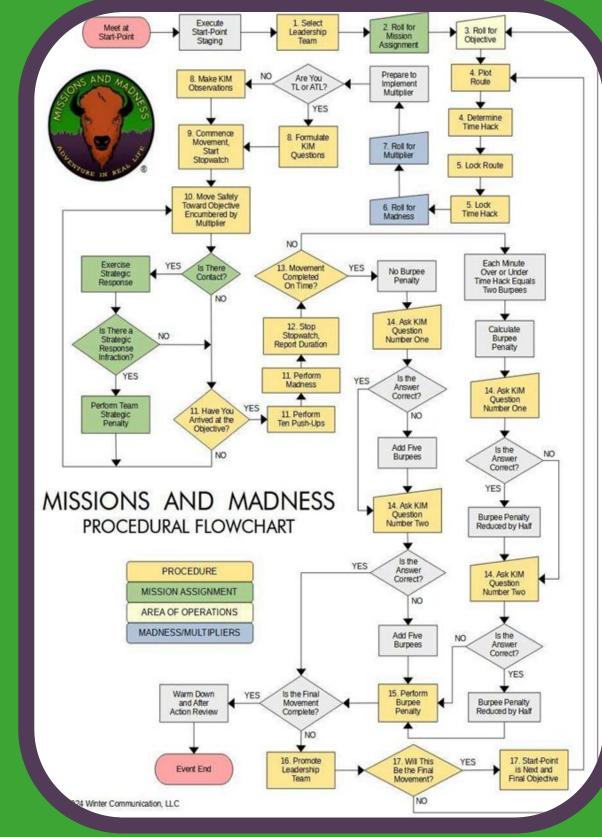


Fig. 1 Current Image of gameplay, wanted to be more interactive - Fig. 2 UML Flowchart of game play

## Plans and Goals



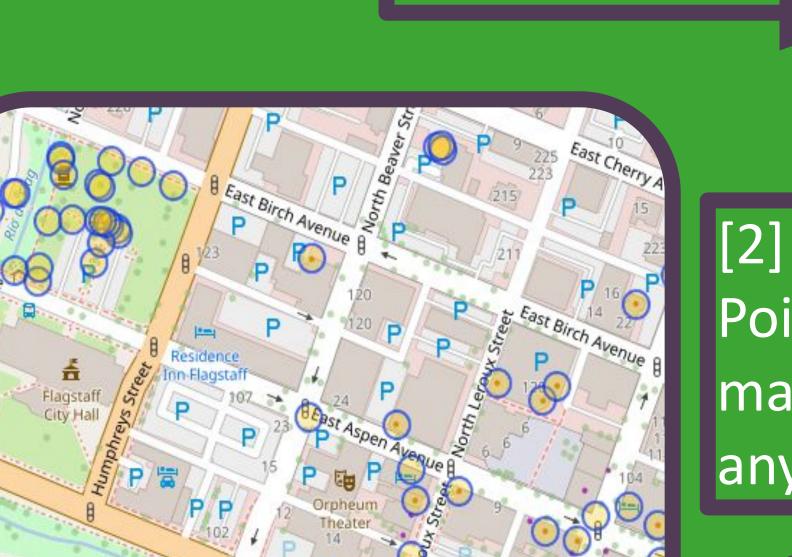
Fig. 6 Current flow of our plans for future production

We will start the with implementing the map, then we will connect the GPS and POIs, and during all of this we will overhaul the UI, and finally we will end with beta testing and revisions.

# Proposed Solution

Through meetings with our client - We came up with this core idea of a version with 3 key aspects:

[1] A connected Map and GPS to help guide the user, with varying



[3] A refined a polished UI to give a better User experience, as well as implementing tutorials.



levels of information



[2] A connected Database of Interest (POIs) Of making the game playable anywhere!

## Prototypes

After work in our tech feasibility we have found this all to be rather feasible, with the following prototypes already developed!

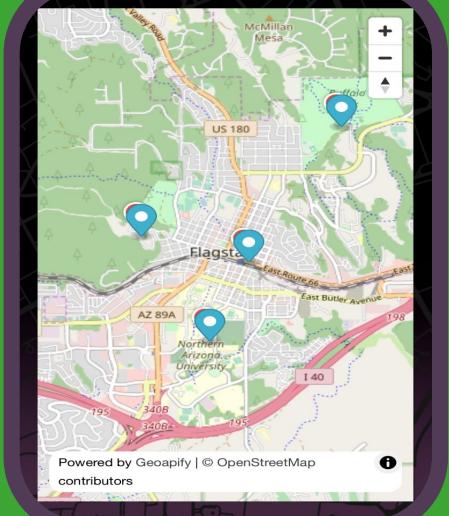




Fig. 3 Our prototype of Maps via GeoApify - Fig. 4 Our prototype of GPS **Coordinates** with **Unity Packages** 

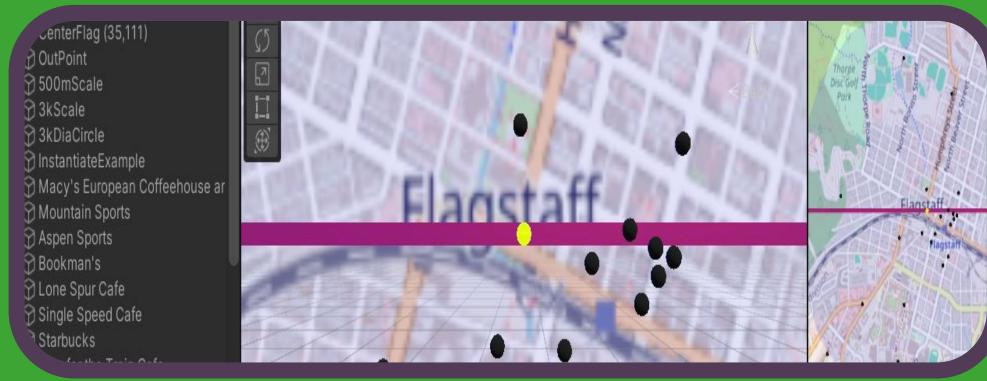
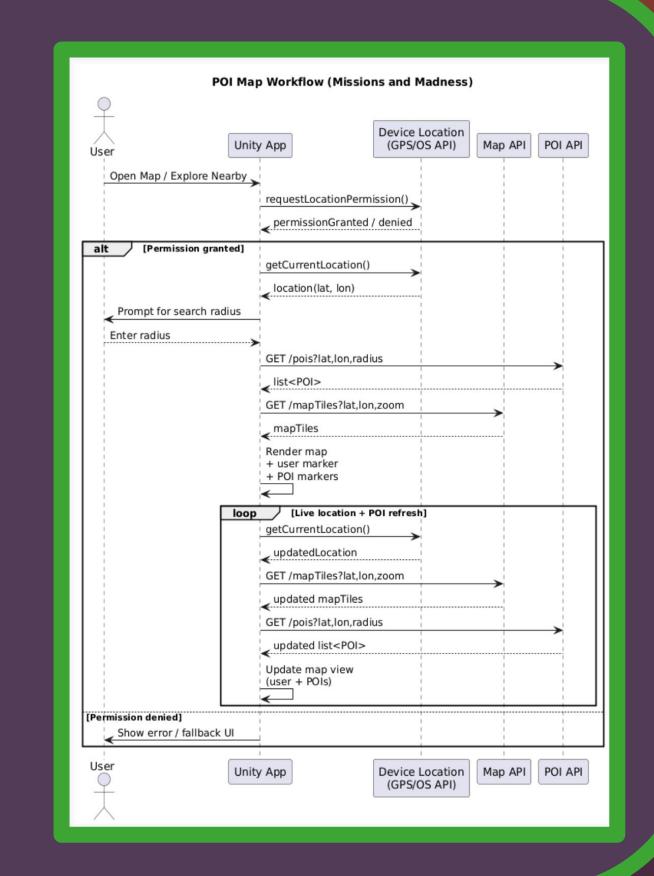


Fig. 5 Our prototype of Querying POIs (OverPass Turbo) from inside Unity

#### Solution Schema

We will deliver an application for both iOS and Android mobile devices that is easy to use for new players and has a modern, clean **UI** that can be used **nationwide** at launch

> Fig. 7 Current tech flow of our product



# Technologies



GeoAPIfy

















• iOS



