iScout

Conner Hurst, David Mercado, Trenton Woods

Problem Statement

Problem: Finding a new innovative method for first responders as well as search and rescue dog components, to organize and communicate more effectively in order to increase the chances of minimizing casualties and deaths after an unfortunate event(s).

Solution: Utilizing Global Positioning Service (GPS) device on a dog's collar. Allowing real time updates to iScout, the collaborative mobile application in order to visually represent routes taken, as well as key features set by the Commanding Officer of the Rescue Operation(s)

Major User Stories

- Create UI app layout with labels for the Command Operations Center, the map itself, and the list of synced bluetooth devices
- Communicate GPS data between the user and the app
- Update the map with the given GPS data
- Implement overlay features on the map
    - This allows the user to select only which locations he/she needs to see (food, supplies, medical, etc)
- Connect and communicate bluetooth data from hardware to update GPS data after the fact (future iteration)

Contributions

Conner	**David**	**Trent**
Initial map configuration	Core code structure	Communication between map and overlay features
Testing cases	GPS data implementation	Map debugging/optimization
Obtaining user’s location	UI storyboards	Github/presentation