# Prospective Users:

* High School or University students, Drone enthusiasts, Programming enthusiasts, Security enthusiasts
* Not necessarily familiar with Tello Drone system and/or programming
* Not necessarily familiar with HARA, Computer Vision, Front-End programming
* Might not want to extend GUI, but perhaps control over information that is presented
* Ability to record different information from a flight

# Needs & Features

1. **The user must dig and edit source code to monitor different aspects of the drone during flight.**
   1. Adjustable settings for telemetry
   2. Settings are stored for future iterations
   3. Adjustable key mappings for commands
   4. Vision models are read automatically
   5. Vision models are selectable through GUI
2. **The user is unable to monitor telemetry from multiple drones.**
   1. Telemetry from multiple drones is displayed
3. **The user is unable to control multiple drones independently.** 
   1. Drone connection can be managed in GUI
   2. Send individual commands to each drone
4. **The user must initially set up a control loop, wasting time to implement, develop and test behaviors.**
   1. General control loop handles sensing, planning, command workflow
5. **Current safety features hardcoded into the Tello are insufficient and unable to be bypassed.**
   1. Provide base with built in safety controls
   2. User override for each drone independently
   3. User override for all drones simultaneously
6. **\*User spends too much time looking for scattered code examples.**
   1. Read-Me contains references to other projects with descriptions
   2. Read-Me contains examples/suggestions to implement with our current repository