

Team Name: sdmay24-15

Team Members: Casey Halbmaier, Cody Konkel, Caden Backen, Ben Gardener, Nihaal Zaheer, Andres Ceballos

Report Period: Oct 9 - Oct 24

### **Summary of Progress in this Period**

- Finished Project Design Documentation
  - Finished Main Component Research for our prototype
  - Defined intended method of PTSD-attack notification for the service dog. (Vibration)
- 

### **Pending Issues**

- Define platform for interfacing with veteran.
    - (What kind of phone, application, etc.)
  - Define sensors for veteran wearable device.
    - (Finding components that can accurately determine the vitals we are looking for)
  - Define method of communication between collar device and veteran device.
    - (Radio communication between the two)
- 

### **Plans for Upcoming Reporting Period**

- Wrap up all research components for our project.
    - Following this next week, all major research should be completed. Any research following this period should be minimal.
  - Finalize definitions for our project components.
    - In order to begin creating designs for our prototype, we must first finalize any definitions for our system. This ensures our prototype stays consistent with our intended design plans.
  - Begin creating designs for our first prototype.
    - Potentially wishful thinking. The team is close to finalizing design definitions, meaning we could begin creating our first prototype designs.
-