Weapon System Support Software

School of Informatics, Computing, and Cyber Systems

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Client: Harlan Mitchell, Laurel Enstrom: Northrop Grumman Corporation

Team Controller

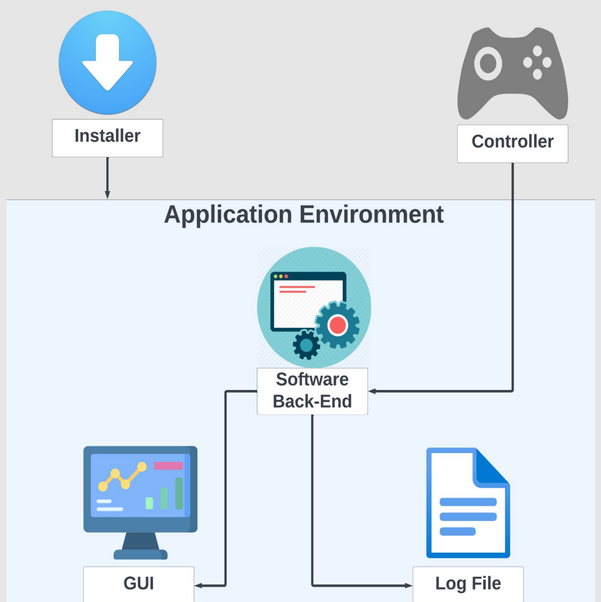
Motivation

WHO — Northrop Grumman engineers who are required to travel to diagnose their client's equipment

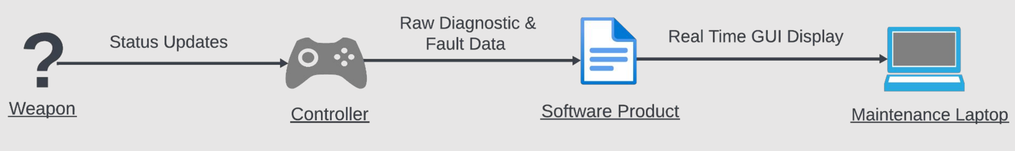
WHAT — A desktop application that will allow Northrop Grumman's client's to be able to diagnose equipment without an engineer present

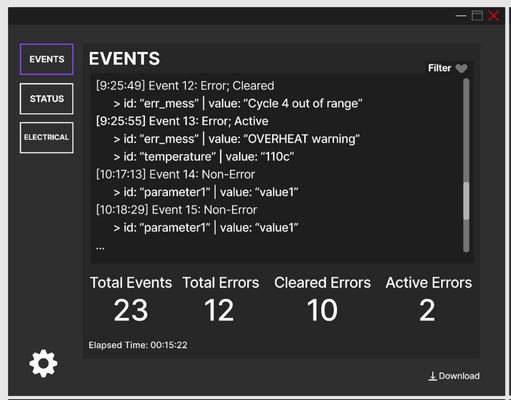
WHY — This software product will save Northrop Grumman time and money when diagnosing their client's equipment

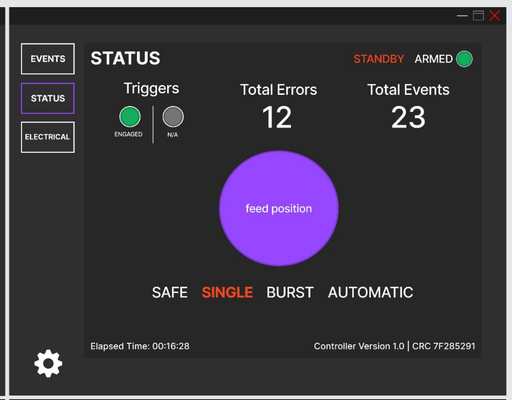
Architecture

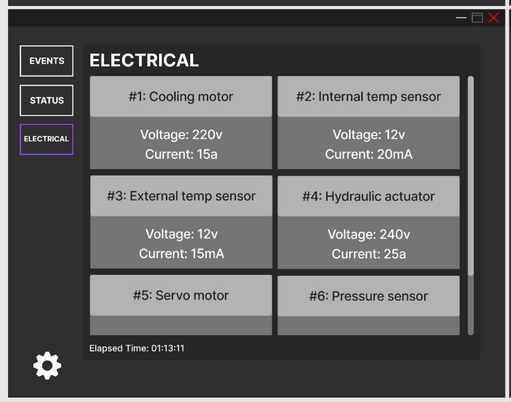


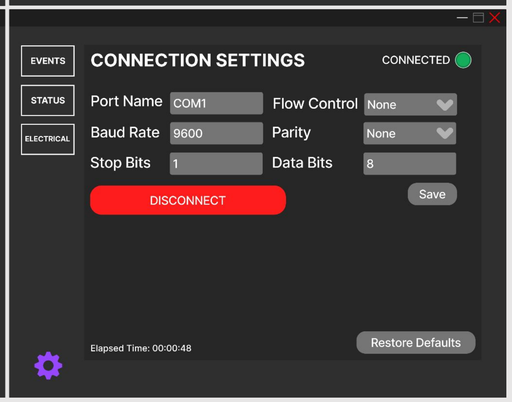
Key Features



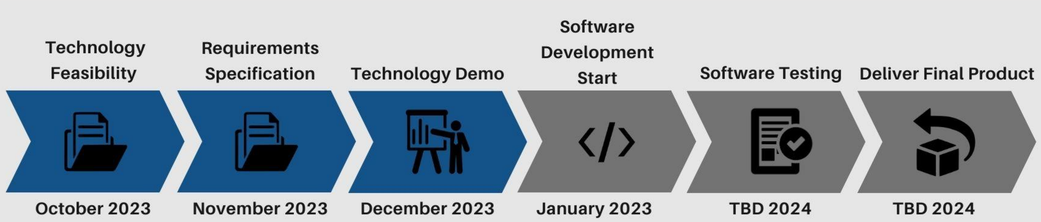








Timeline



Inspiration

We aim to create a tool akin to an OBD2 Scanner for multi-million dollar military equipment

Technologies Planned

C++

Goals

1. Simulate weapon abstracted weapon controller data
2. Send and receive the simulated data to and from the application
3. Develop a GUI to display all faults and statuses
4. Develop an installer that allows for downloads on modern Windows operating systems

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