

Scenario Begin:
-User connects device
-Opens browser application
-Chooses sensors
-Sets values such as sample rate, etc.

User Programs Device:
-CHROME Web App
-Pass User Variables
-Platform Independent
-Available in Google Play

Sequence Includes:
-Verify Sensors
-Logging Data
-Simulation

Browser App:
-USB HID Device
-Uses STM32 IAP
*In Application Programming

STM32 Platform has support
for IAP, no need for JTAG Unit.
Browser App can access device
over USB as simple HID.*
*Human Interface Device, i.e. keyboard

Deploy Unit for In-Field Testing

Scenario End:
-User disconnects device
-Deploy into field for data collection
-Collect and verify after desired duration
...Repeat

Erebus Labs – Sensor Platform
Capstone Team – 2015
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