**WRITE UP ANY AMOUNT OF ANY OF THESE**

**FABIAN:**

Functional: The application shall detect loud noises that means that an altercation/argument has occurred. 2 or more people have started fighting.

Reliability: The device will maintain connection to the web host server.

Security: The server shall Implement Administrative privileges on log access and database queries for the server.

Communication: The main device will communicate with an online server to upload any and all logs to for database storage and accessibility.

Performance: Logs and events sent to the server by the system/device shall be processed within 2 seconds of arrival.

Usability: The server will be web accessible.

Scalability: The server will support up to 100 users/monitors at a time.

Compatibility:Device app that communicates to the server can work with any camera system.

Integration: Server will store device logs for backup and future access.

Quality: The web app will provide a comfortable UI/UX for users/monitors to use after logging into/accessing the server.

Supportability:

Functional: The application shall detect fast movement that can signify a altercation or incident happening on the bus.

Reliability: The web app hosted on the server will run 24/7 with very little down time due to maintenance.

**JUSTIN:**

Functional:

Reliability:

Security:

Communication:

Performance:

Usability:

Scalability:

Compatibility:

Integration:

Quality:

Supportability:

**MIGUEL:**

Functional:

Reliability:

Security:

Communication:

Performance:

Usability:

Scalability:

Compatibility:

Integration:

Quality:

Supportability:

**COLIN:**

Functional:

Reliability: Failure to recognize an event should occur less than 1% of the time when an event occurs.

Security: Connection between bus and cloud application shall be secure.

Communication:

Performance: Alarm shall be triggered no more than 6 seconds after the end of an event.

Usability: Ride is not interrupted by a false positive.

Scalability: System will support the registration of 128 buses.

Compatibility: System will work with any camera layout.

Compatibility: System will work with any bus shape.

Compatibility: System will work with bus computer hardware.

Integration:

Quality:

Supportability: