**Heartbeat**: sends a package to see if Qgroundcontrol is still connected every few seconds. If the connection is lost, then activates failsafe protocols.

**Mavlink** is for basic commands, individual commands that tell the sub what to do.

**PyMavlink/ROS**: Used for autonomy.

**Questions:**

Mavlink working for all vehicles, so how does it work specifically for submarine?

***To Do:***

Autonomy from mavlink protocols.

Basic navigation and flight controls

Create a heartbeat between pixhawk and qgroundcontrol