

# Remauto Meeting Minutes

Date: October 9, 2022

Attendees: Darton, Taim

## Software

## Codebase Setup

Client has

## UX/UI

GUI will have gear shifting menu (activated by Options button on PS4)

## Documentation

Use Doxygen, either comment code now or later after working prototype (revising and cleaning code up)

## Git Merge Time?

- Finish PS4 functions stub, then merge into master
- Organize code into /src, /build, /test, /doc, etc

## Research

### Darton

- <https://github.com/waveform80/pistreaming/blob/9b1a8719fa34f8737e6292d52c1cb0f1d86a1d1a/server.py#L88>
- Multiprocessing
- <https://tutorials-raspberrypi.com/raspberry-pi-servo-motor-control/>
- Cython

### Taim

- PyQt5
- Function stubs to fill in later
  - L2 → brake
  - R2 → gas pedal
  - L1 → left signal
  - R1 → right signal
  - Option → gear shift menu
  - Left joystick → steering wheel

## Hardware

A4988:

[Large Stepper Motor Control A4988 : 5 Steps - Instructables](#)

MOSFET choice

Rotary encoders

## Timelining

**Darton:**

- Camera
- Git Merge
- Document lifecycle of the comms module in a readme file:
- Code cleanup
- See if controllers work?

**Taim:**

- Git Merge
- Preliminary investigation into PyQt5?

## Mechanical