

Work Deliverables – Fall 2020

- ☐ Choose an operating system for the Raspberry Pi and become familiar with it
- ☐ Design power circuit and develop schematic for OBD-II port power supply
- ☐ Develop schematic for OBD-II port transceiver (includes power supply mentioned in 2.)
- ☐ Develop schematic for handheld unit
- ☐ Order necessary parts
- ☐ Test the ELM327 chip (there is a command to issue that will return the version number if everything is working)
- ☐ Connect touchscreen to Raspberry Pi and register a touch
- ☐ Configure the Bluetooth module (changing name, PIN, mode, etc.)
- ☐ Establish a Bluetooth connection between Raspberry Pi and Bluetooth module
- ☐ Successfully read data from the OBD-II port over Bluetooth
- ☐ Successfully interpret data from the OBD-II port over Bluetooth
- ☐ Successfully write data to the OBD-II port over Bluetooth