

# Memo

**To:** Kevin Pintong  
**From:** Zak Rowland  
**Date:** April 21, 2020  
**Re:** Second Initial Proposal

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For my project I would like to build a wireless (Bluetooth) OBD-2 diagnostic tool with a touchscreen. There does not seem to be a good low to mid-range market for this type of product. The expensive options can be over a thousand dollars, and the cheap options connect to a proprietary phone app. My solution would only include the most necessary functionality to keep costs low and the device accessible to as many users as possible.

I would like to transmit the data via Bluetooth from the OBD-2 port to the main unit that houses the touchscreen, processor, and other components. This data would then be processed and presented in a simple GUI for the user. Although the information displayed will likely only be Engine Trouble Codes, I would like the device to have an alternate mode that can read and display sensor information in real-time. The user would use the touchscreen to switch to this mode.

I am currently thinking of additional unique features that would not be too much for the scope of the project.