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System:

Our system was designed to resemble that of a car and its windshield wipers and the different modes that it has. So first we would turn the car and ignition on. For that we had to push and release two buttons at the same time which turned on a blue LED letting us know the car was on. Then using our potentiometer we would have to have different settings for the windshield wipers. We would have a HIGH, LOW, INT, and OFF. Using the potentiometer we would be able to cycle through these different parameters. We also had an LCD display which would tell us what mode we were in.

Repository: https://github.com/rachadm/ECE-218-MO.git

Ignition Subsystem		
Specification	Test Result	Comment
1. Start the engine (i.e., light the blue LED) while the driver's seat is occupied and when the ignition button is pushed and then released.	Pss	Does work but is not consistent. Sometimes it would take time to turn on and sometimes would turn on with only 1 button pressed.
2. Keep the engine running even if the driver should exit the vehicle.	Pass	LED stays on after
3. When the engine is running, stop the engine when the ignition button is pushed (i.e., before the button is released).	Fail	LED does not turn off after

Windshield wiper subsystem		
Specification	Test Result	Comment
4. If the engine is running, and the user selects HI, LO, INT, or OFF,	Pass	All modes work

5. If the wiper mode selector is turned to OFF, or the engine is turned off, then	Pass / Fail	It does not return completely to 0 degrees but does stop