

A Smart System: Driver Safety for the Car Savvy and Not Through Mobile Application

Our service system will be a tool to read and diagnose issues in users cars, both code triggered issues and non. It is needed because there are currently no user-friendly tools to read fault codes and diagnose them, especially in modern cars. The prototype will be an Android/iPhone app written in Java that will sync with a vehicle's Bluetooth or a wireless OBDII connector. The expected result will be more knowledgeable drivers to prevent problems with a car before it becomes detrimental. The likely users and beneficiaries of the system are drivers who are left stranded or unsure of how to diagnose their car. Improper car maintenance can endanger drivers and passengers and it is essential that safety of drivers remains priority in the automotive industry. Our system will support drivers with knowledge that everyday drivers might not possess. Potential constraints for this project can be current data that is available. Most code reading data only offers the diagnosis, not the solution. Current code reading data would be needed to fully develop this smart application.

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