

# ALSET Test File User Guide

Team 14: Seth Rogan Fan Club has developed a user friendly system to test the ALSET IoT: Hugs the Lanes Electric Vehicle. With a clean GUI and simple method of getting sensor values, the user can easily run the software with different values to get different results.

## STEP 1

Log in through the technician portal with authorized credentials. Seth Rogan Fan Club has provided a generic test login:

Username: mechanic

Password: password

## STEP 2

The technician dashboard is broken into two sections: a text version of the vehicle's interface, and the system logs. The vehicle interface consists of three parts: the Dashboard, Central Display, and Steering Wheel Console, as shown in section 5.2 of the main document. In the test software the sections are broken down into Dashboard, Driving Mode, Climate Conditions, Collision Prediction, Cruise Control, Lane Mitigation, and Traffic Light and Sign Recognition. Each of these sections start with default sensor values. The user can familiarize themselves with each section of the interface and their corresponding sensors.

## STEP 3

Instead of a test file, Seth Rogan Fan Club has created a randomizing algorithm that gets a random value within reasonable bounds for each sensor. All the user needs to do is click TESTING and the software will populate each sensor output with a value, change the alerts accordingly, and log the sensor values in the System Logs.

## ANALYZING DATA

The software will show alerts based on the sensor values. For example, if the proximity sensor detects an object within a certain distance, the object detection alert will turn red.

Each time the user runs a test, the sensor values and time of testing is saved in the System Logs table at the bottom of the page. With Seth Rogan Fan Club's ALSET testing software, the user can quickly change test values and instantly receive a log of the data.