

Smart Trip Planning

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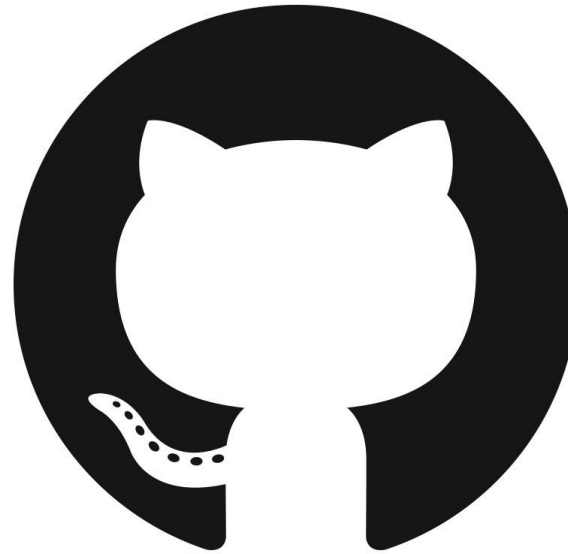
Project Overview

- Android Application comparable to gas buddy
- Find nearest gas stations on the route with cheapest gas
- Incorporates your current fuel range into the search process
- Keeps a live list of gas stations, their price and distance
- Suggest optimal stop



Hardware

- ▶ ELM 327:
- ▶ Cheap (Approx \$10)
- ▶ Reliable
- ▶ Well documented
- ▶ Widely used



Software

- Android studio
- Github
- Microsoft OneDrive
- Discord

Progress So Far



- ▶ Ear
- ▶
- ▶ OBI

Trouble Codes:
Idling Fuel Consumption: 0.02445155 Litre
Driving Fuel Consumption: 6.8148243E-4 Litre
Instant Fuel Consumption: 0.0 L/100km
driving maf: 3.35 g/s
idle maf: 71.31462 g/s
Fuel Type: 14.7
Rapid Acceleration Times: 0
Rapid Deceleration Times: 0
Max Rpm: 1430
Max Speed: 190 km/h
Driving Duration: 0.33511665 minute
Idle Duration: 0.75491667 minute
Distance since codes cleared: null
Distance traveled with MIL on: null
Intake Manifold Pressure: 33.0 kpa
Air Intake Temperature: 301.15 C
Fuel Consumption Rate: null L/h
Fuel Level: null
Fuel Pressure: null
Engine Fuel Rate: null
Engine Coolant Temperature: 30C
Engine Load: 3.1%
Engine oil temperature: null
Barometric Pressure: null
Air/Fuel Ratio: null
Wideband Air/Fuel Ratio: null
Absolute load: null
Control Module Power Supply : null
Command Equivalence Ratio: null
Diagnostic Trouble Codes: MIL is OFF0 codes
Describe protocol: AUTO,ISO9141-2
Pending Trouble Codes:

Upcoming Challenges

- ▶ Getting current gas prices
- ▶ Adding map directions
- ▶ Updating OBD code
- ▶ Calculating a more accurate fuel range

Schedule

[illegible]

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