Smart Car

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Roadmap

- Purpose of project
- Execution Steps
- Features

Purpose of project

- Safety

- Human error prevention

- Convenience

Execution Steps

- Design
  - Domain description
  - FSM
  - ASM
- Verilog hardware description
- Test and functionality validation (Testbench)

Features

- say "GO"
  - The car start to go
- say "It's cold"
  - Turn the heater on
- say "It's hot"
  - Turn the cooler on
- say "Good temperature"
  - Turn the cooler/heater off
- say "Play music"

- If the phone rings, the music turns off
- Warn for gas shortage
- Warn for engine oil shortage
- Warn for brake oil shortage
- Warn if the door is open

Sensors

- Temperature
- Voice Recognition
  - Keyword detection
- Gas oil level
- Engine oil level
- Break oil level
- Door

Thanks!