Group 7: Vehicle Fleet

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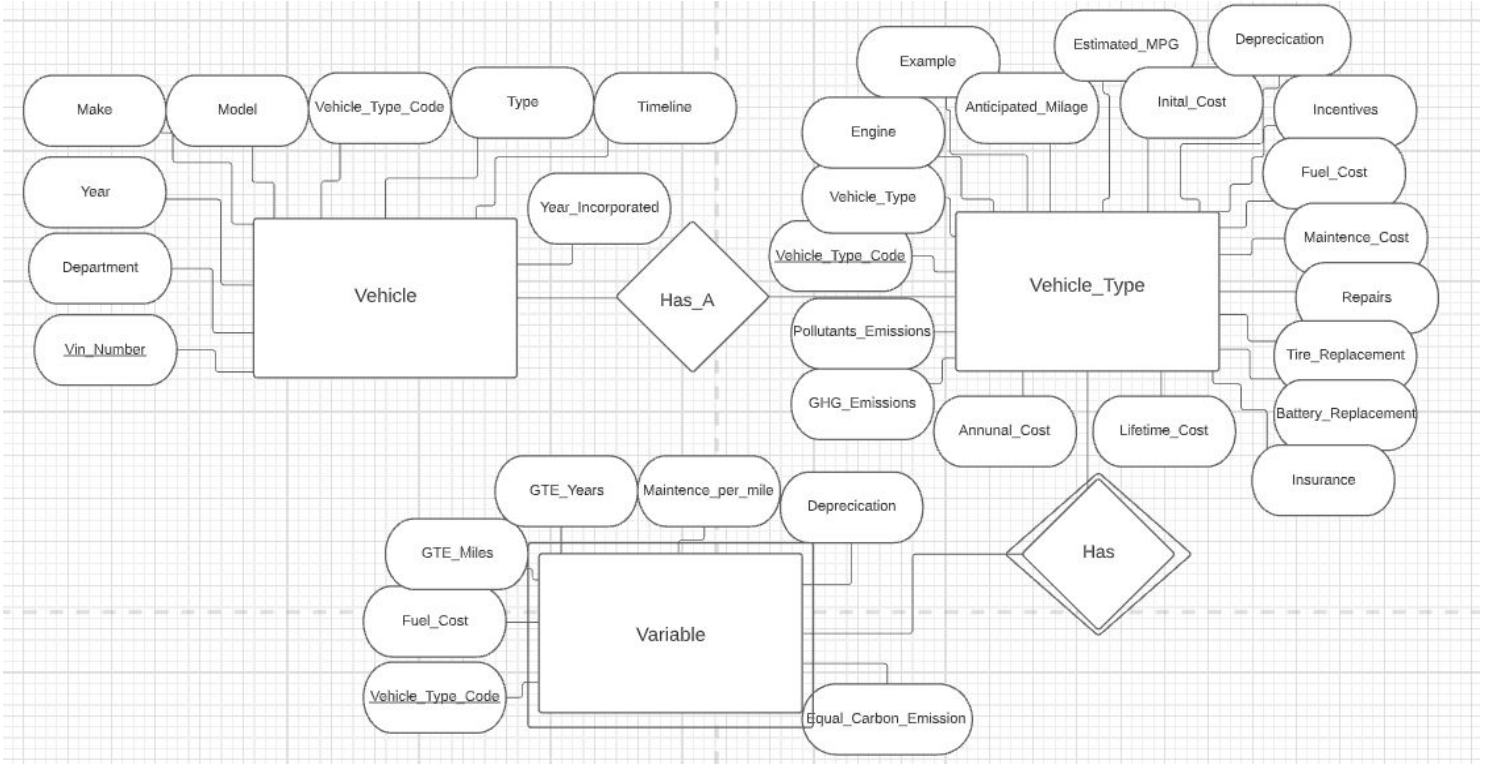
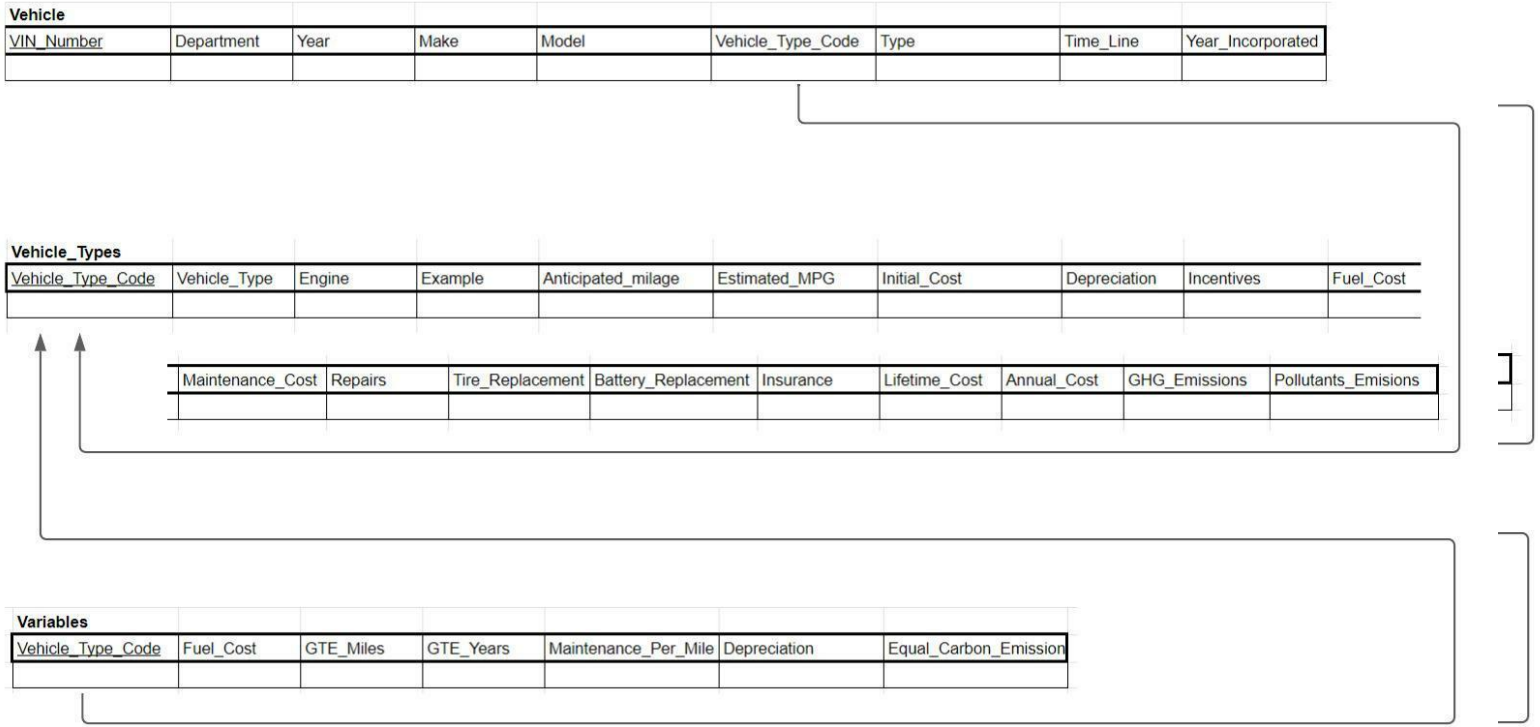
ER Diagram


Make
Model
Vehicle_Type_Code
Type
Timeline
Year
Department
Vin_Number
Vehicle
Year_Incorporated
Has_A
Example
Estimated_MPG
Depreciation
Engine
Anticipated_Milage
Inital_Cost
Incentives
Vehicle_Type
Fuel_Cost
Vehicle_Type_Code
Vehicle_Type
Maintence_Cost
Repairs
Pollutants_Emissions
Tire_Replacement
GHG_Emissions
Annunal_Cost
Lifetime_Cost
Battery_Replacement
Insurance
GTE_Years
Maintence_per_mile
Deprecication
GTE_Miles
Has
Fuel_Cost
Variable
Vehicle_Type_Code
Equal_Carbon_Emission

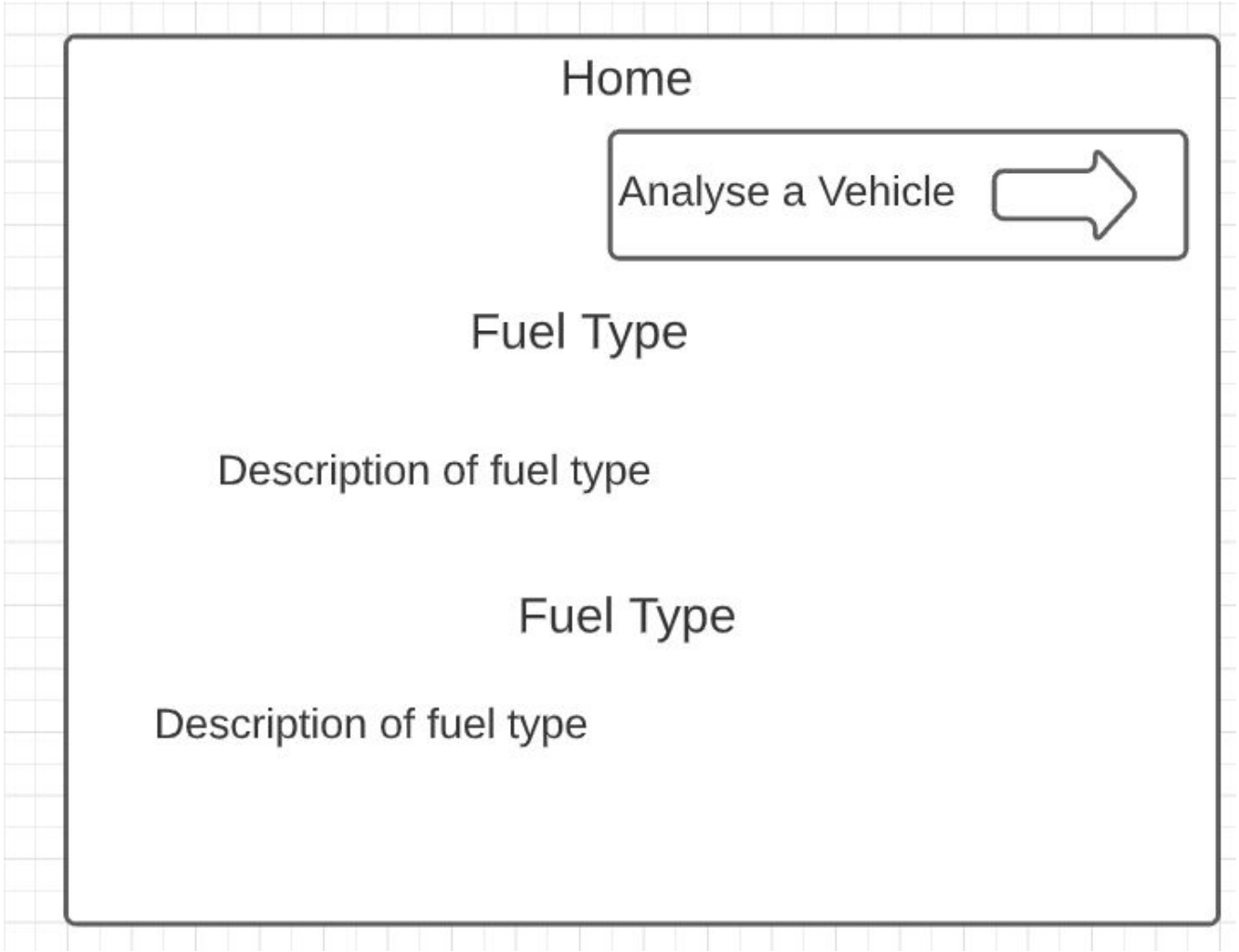
Relational Schema

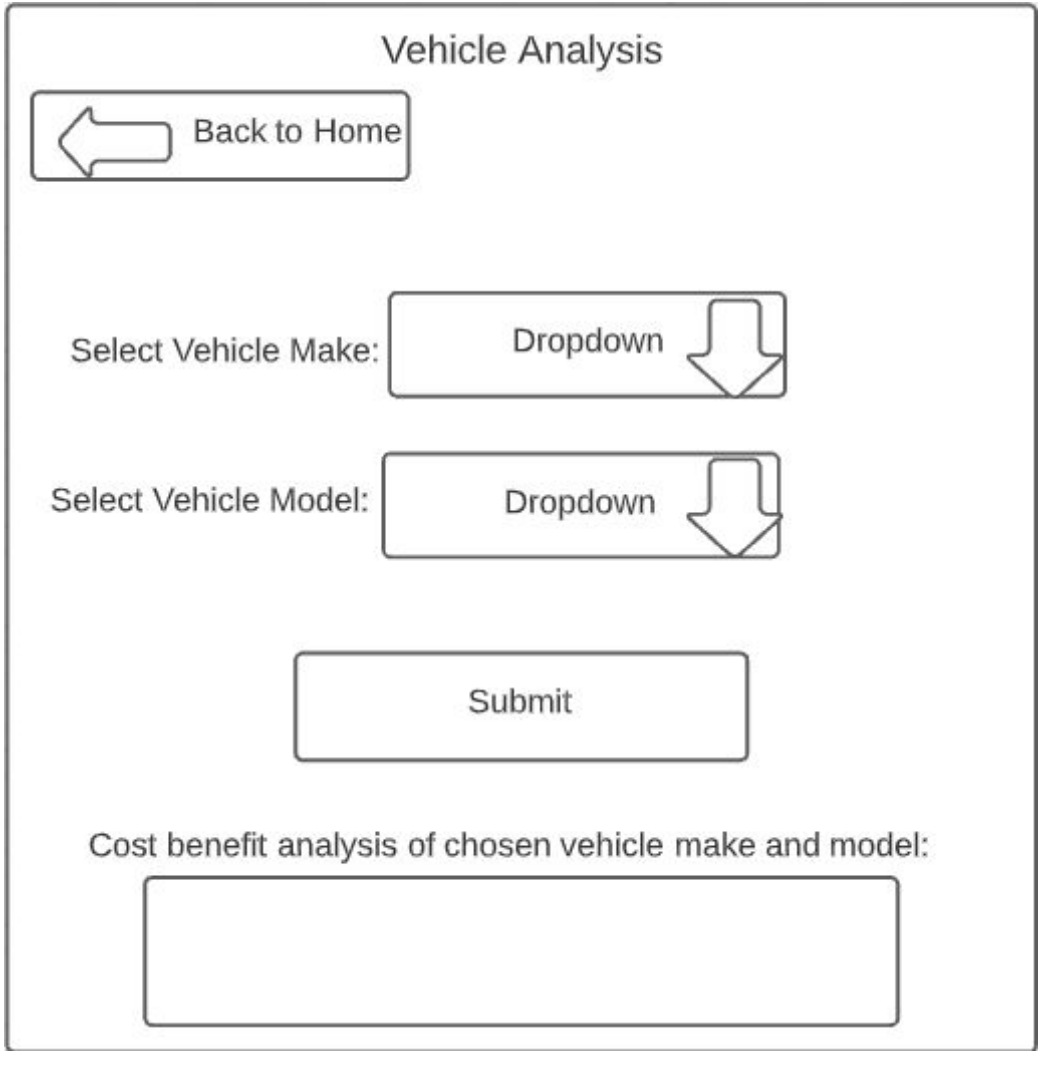


Supported Queries

- A user can select a car's make and model from the drop down menus
- After clicking on the "submit" button, the data corresponding to the selected vehicle type will be analyzed using an encoded cost-benefit algorithm
- The results will contain all the attributes stored about each vehicle, its corresponding type, and the related analysis

UI Mockups


Home
Analyse a Vehicle
Fuel Type
Description of fuel type
Fuel Type
Description of fuel type


Vehicle Analysis
Back to Home
Select Vehicle Make:
Dropdown
Select Vehicle Model:
Dropdown
Submit
Cost benefit analysis of chosen vehicle make and model: