# Fleet Management

Group 3: Paula Arroyave, James Blair, Faiza Hoque, Drake Lam, Nicole Lenge, Matt Machado, and Corinne Scheddin

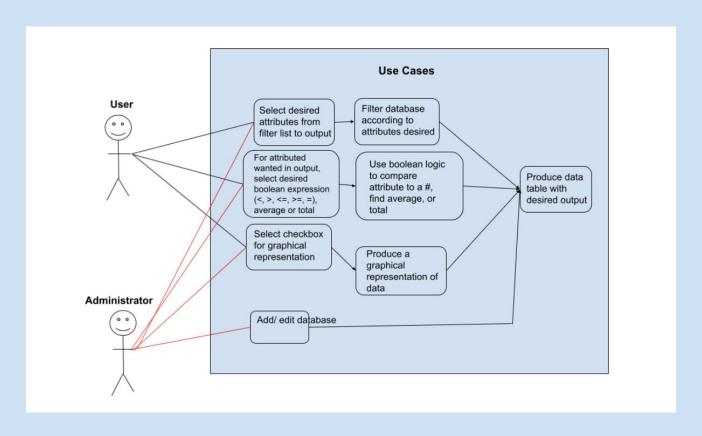
### Goal of Our Database

- Improve TCNJ fleet financially and environmentally
- Identify current fleet metrics and outline potential future fleet combinations
- Answer various queries to aid understanding of TCNJ's vehicle fleet

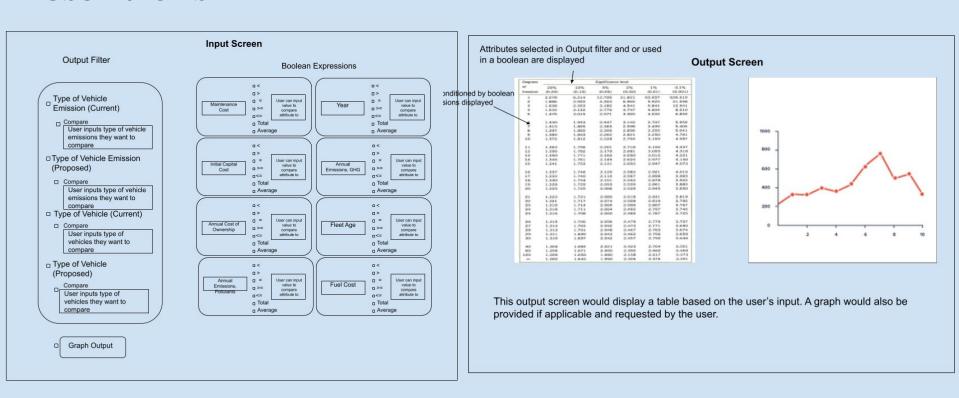
# **Questions our Database Should Answers**

- What kind of fuel does each type of vehicle use and what are its emission?
- What are the financial costs of each type of vehicle?
- What are the specifications of each vehicle in terms of vehicle type, model, and usage?
- What is the age, department, and year of each vehicle currently in the fleet?
- What is the proposed and future course of action concerning each vehicle in the fleet?

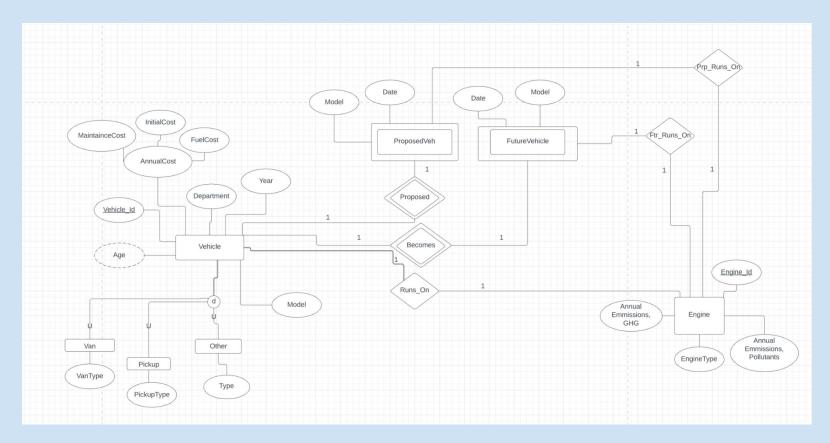
### **User Cases**



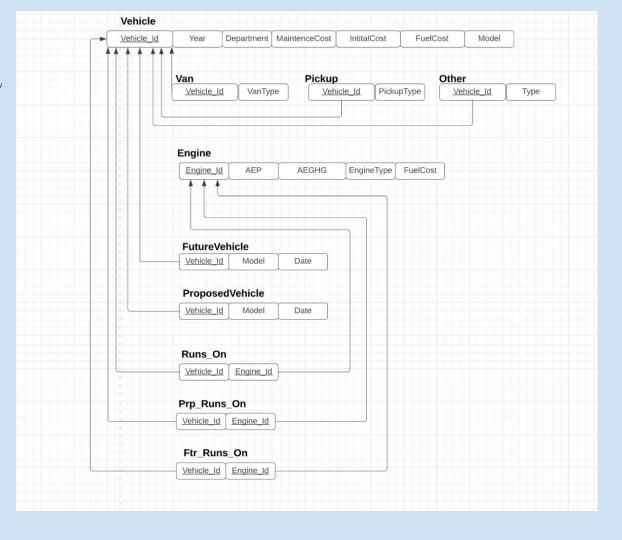
#### **User Views**



# **ER Diagram**



## **Relational Schema**



#### **Database Details**

 Our database should be able to support about 200 entries since there about 100 vehicles in TCNJ's fleet and some may go.

- Our types of queries would be select and action queries:
  - Select queries: focus on retrieving information from the database to answer a question the user may have
  - Action queries: an administrative user would be able to insert, delete, and update the data in our database
- An average of 5 searches daily.