Car-Mart

CSE 111: Database Systems Fall 2023
Haris Khan & Aditya Lakkoju

System Description

- A Web Application developed using React and MySQL
- Our project is a web application designed to streamline the process of connecting consumers to dealers selling automobiles. The platform's primary goal is to provide an efficient and transparent marketplace for individuals and dealerships to trade vehicles.

Implementation Details

Integrated Development Environment

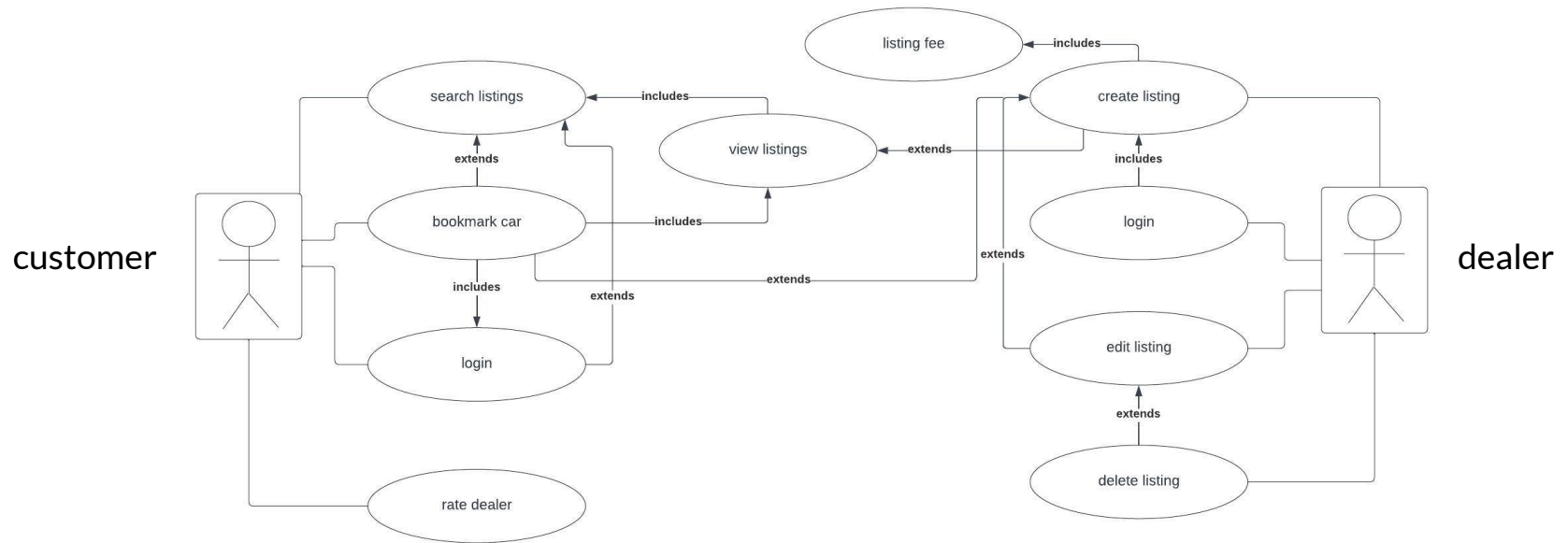- Visual Studio Code (VS Code)

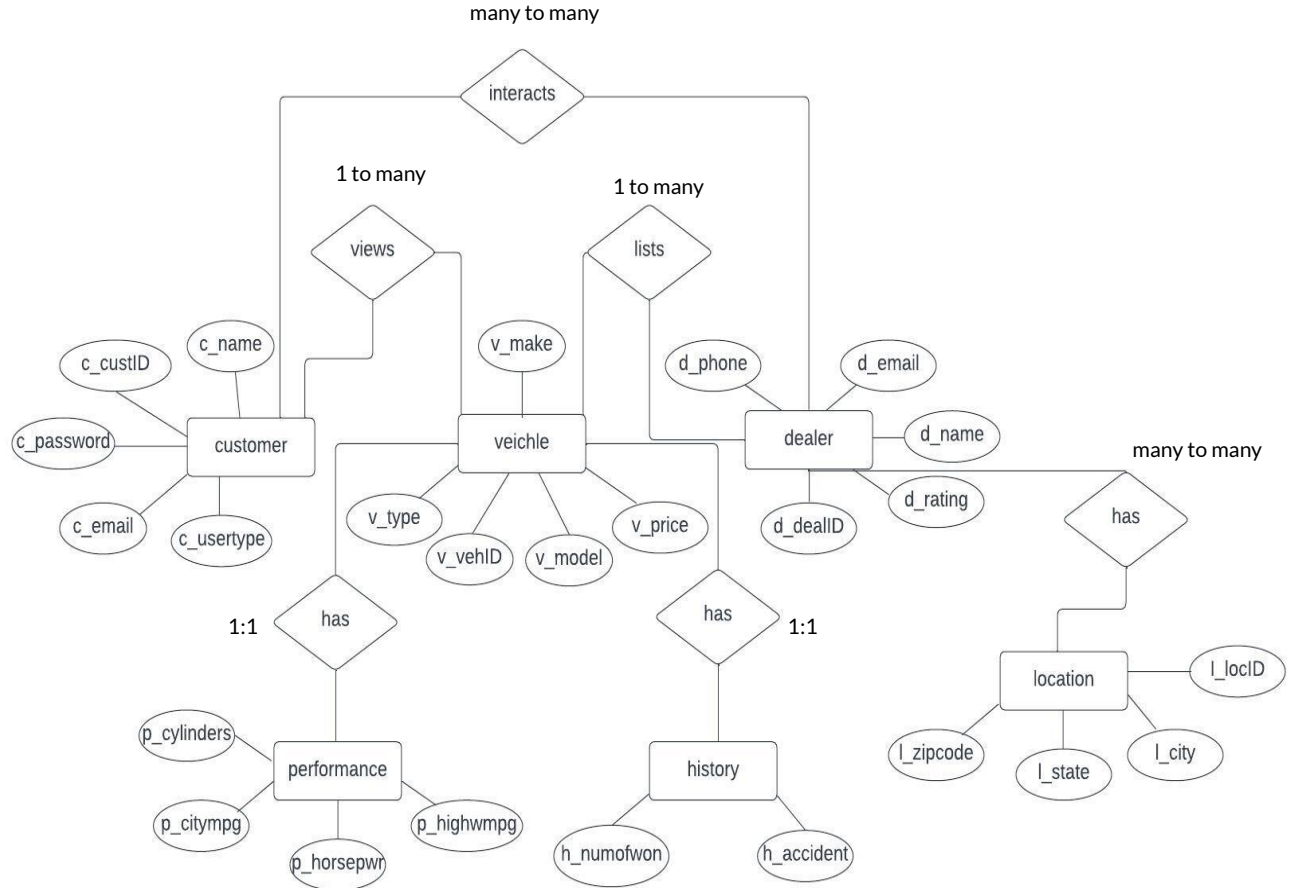**Database Management System**

- MySQL

Front-End Development

- React

Languages

- JavaScript & SQL

UML Use-Case Diagram

customer

dealer

listing fee — includes → create listing

search listings ← includes — view listings — extends → create listing

bookmark car — extends (search listings)

bookmark car — includes → view listings

bookmark car — includes → login

login

rate dealer

create listing — includes → login

edit listing — extends

delete listing — extends → edit listing

E/R Diagram

Relational Schema

Customer

c_name, c_custID, c_password, c_email, c_usertype

Vehicle

v_make, v_model, v_type, v_vehID, v_price

Dealer

d_dealID, d_rating, d_vehlist, d_phone, d_email

Location

l_city, l_state, l_zipcode, l_locID

Performance

p_horsep, p_citympg, p_highmpg, p_cylinders

History

h_numown, h_accident

Github Repository

https://github.com/hariskhan114/CSE111_Project

Thank You!!!