

Project Description

The project is a second-hand trading system designed to provide a method for customers and sellers of cars to connect with each other. The system allows customers to search for cars based on their preferences such as make, model, year, price, maximum mileage, location, and seller Information. Customers can mark cars they like and view all their marked cars on a single page. Sellers can post their cars on the system and can view all their posted cars on a single page. Sellers can also choose to delete a posted car if they no longer wish to sell it or need to make modifications. The system includes a registration system that prompts users to specify whether they want to register as a seller or a customer. Sellers are required to provide their Social Security Number (SSN). Usernames must be unique among customers and sellers. Customers can make an appointment for test drives for cars they are interested in. Scheduling a test drive involves selecting a time slot and requires logging in.

Possible Nouns and Actions

Nouns: buyers, sellers, cars, make, model, year, price, mileage, location, registration system, SSN, appointment

Customer

- customerID
- username
- password
- email
- phone
- marked cars<list>

Seller

- username: TEXT
- password: TEXT
- email: TEXT
- phone: int
- ssn: int

Appointment

- year
- month
- day
- clock

Car

- car ID
- make
- model
- year

- price
- mileage
- location
- sellerID

Actions: post, search, mark, view, delete, log in, post, schedule, register

Rules

- Customer can mark any number of cars including zero.
- Sellers can post any number of cars including zero.
- A car can only have one appointment with a seller per day.
- Customer can delete marked cars which is marked by himself.
- Users must select whether they want to register as a seller or a customer during the registration process.
- Sellers are required to provide their SSN during registration.
- Usernames must be unique among customers and seller tables.
- Customers can schedule test drives and select a time slot.
- Each car should have a unique identifier or number.
- Each car must be associated with one and only one seller.

