| **Car** |
| --- |
| Int id;  String model;  String car\_type;  int speed;  Int rent\_price\_hourly; |
| Car(int id,String model,String car\_type, int speed, int rent\_price\_daily)  Void setCarInfo(int id,String model,String car\_type, int speed, int rent\_price\_daily)  friend ostream& operator<<(ostream& os, Car &car) |

| **ManageCar** |
| --- |
| vector<Car> cars;  set<string>models; |
| void addCar(Car\* car)  void removeCar(int id)  Void showModels()  Void showCars(string model)  void showCarList() |

| **Person** |
| --- |
| String name;  Int age; |
| Person(String name, int age,String email)  String getName()  Int getAge()  Void print() |



| **Renter** |
| --- |
| String address;  String email;  Int transanction\_id;  Int driving\_license\_no; |
| Renter(String address, int transaction\_id, int license\_no)  Int getTransactionId()  Int getLicenseNo()  **Void print()** |

| **Rent** |
| --- |
| Renter\* r;  Int rent\_id;  String rent\_start\_date;  String rent\_end\_date;  Int rent\_duration;  Int rent\_bill; |
| Rent(Renter\* r,int rent\_id, String rent\_start\_date, String rent\_end\_date,int rent\_duration, int rent\_bill)  Void setRentInfo(Renter\* r, int rent\_id, String rent\_start\_date, String rent\_end\_date,int rent\_duration, int rent\_bill)  Int getRentId()  Void getRentInfo() |

| **RentalSystem** |
| --- |
| vector<Car> cars;  vector<Rent> rent\_records; |
| Void addRentRecord(Rent rent)  Void removeRentRecord(Rent rent)  Void showRentRecords()  Void menu() |