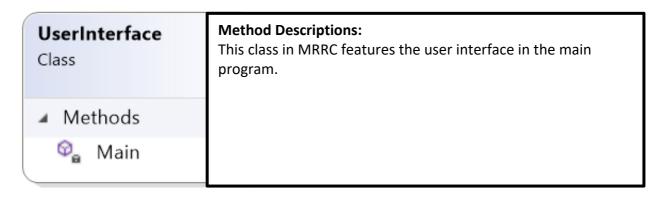
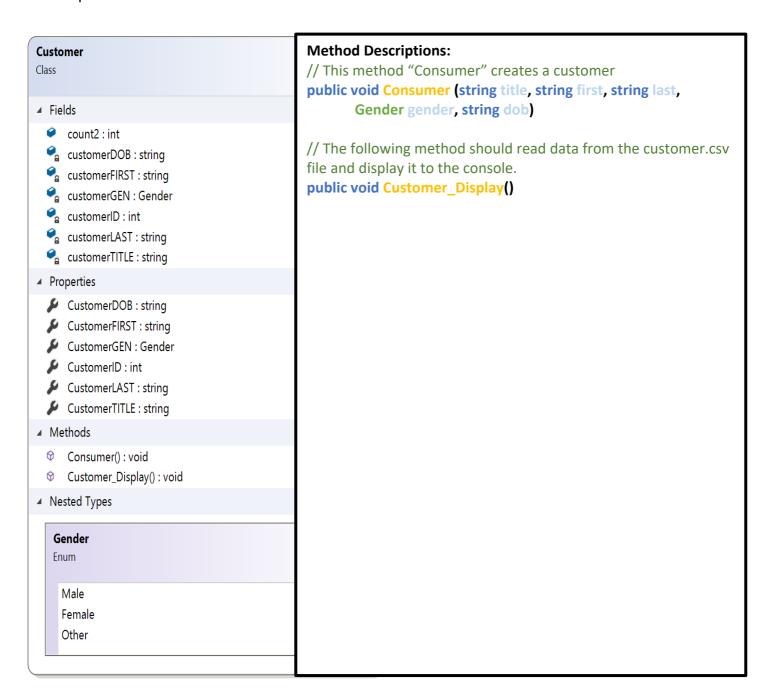
CLASS DIAGRAM

public class UserInterface



public class Customer



public class CRM

ModifyCustomer(): voidRemoveCustomer(): voidRental_Price_Finder(): void

SaveDeletedCustomer(): void

CRM **Method Descriptions:** Class // This method checks to see if a customer is currently renting or not. ■ Fields public void GetCustomer() customer_save_key : string // The ModifyCustomer method changes the Customer To Catch: int selected customer to what the user fills in the 🔩 delete_id2 : int provided fields with. osition_id2 : int public void ModifyCustomer() Rentals_Dailyrate_2 : string save_key_customer : string // This method should remove the inputted title_e_public : DateTime customer from the file given they are not currently user_compare : int renting. user_id: int public void RemoveCustomer() Vehicle_COMPARE_2 : string Vehicle_REGO_2 : string // This method saved the file after a customer is ■ Properties Delete_ID2 : int public void SaveDeletedCustomer() Position_ID2 : int User COMPARE : int // This method finds the daily rate that User ID : int corresponds to a vehicle being rented. public void Rental_Price_Finder() Methods GetCustomer(): void

public class Vehicle

Vehicle Class ■ Fields count2: int gpscheck : bool sunnyroof: bool temp_GPS : string temp_sunroof : string vehicleColour : string vehicleDailyrate : double vehicleFuel : FuelType vehicleGPS : string vehicleGrade : VehicleGrade vehicleMake : string vehicleModel : string vehicleNumseats : int vehicleRegistration : string vehicleSunroof : string vehicleTrans : TransmissionType vehicleYear : int ■ Properties VehicleCOLOUR : string VehicleDAILYRATE : double VehicleFUEL : FuelType VehicleGPS : string VehicleGRADE : VehicleGrade VehicleMAKE : string VehicleMODEL : string ✗ VehicleNUMSEATS : int VehicleREGISTRATION : string VehicleSUNROOF: string VehicleTRANSMISSION : TransmissionType VehicleYEAR : int ■ Methods ♥ Vehicle_Display(): void ♥ Vehicles() : void ■ Nested Types **FuelType** Enum Petrol Diesel TransmissionType Manual Automatic VehicleGrade Enum Economy Family Commercial Custom

Method Descriptions:

// This method displays the contents of fleet.csv to the console in the form of a table.

public void Vehicle Display()

TransmissionType transmission,

FuelType fuel, bool GPS, bool sunRoof, double dailyRate, string colour)

string model, int year, int numSeats,

Fleet

Class

- Fields
 - 🔩 countup : int
 - 🔩 delete_rego : string
 - ຊ position_rego : string
 - ຊ rentals_dailyrate : string
 - save_key : string
 - 🔩 vehicle_compare : string
 - 🔩 vehicle_rego : string
- Properties
 - COUNTUP: int
 - Delete_REGO : string
 - Position_REGO : string
 - Rentals_Dailyrate : string
 - Vehicle_COMPARE : string
 - Vehicle_REGO : string
- Methods

 - RemoveVehicle(): void
 - Save file(): void
 - ♥ Vechicle Finder(): void
 - ♥ Vehicle_matcher() : bool

Method Descriptions:

// This method checks to see if the current customer is renting or not.

public void IsRented(string registration, string key)

// This method modifies the vehicle at the given registration. public void Modify_Vehicle(string registration, int counter)

// This method removes a vehicles from the fleet.csv file.

public void RemoveVehicle(int position, string rego_display)

// This method saves the file fleet.csv if a vehicle has been modified or deleted.

public void Save_file(string save_key)

// This method finds the vehicle within the file fleet.csv public void Vehicle_Finder(string registration, string key)

// This method matches the registration of the vehicles in the file fleet.csv. returning true if no match and returning false if match public bool Vehicle_matcher(string registration)

Search_Term_Process(): void

Rental **Method Descriptions:** Class // This method reads the rentals in the file and displays ■ Fields them to the console. 🔩 checked_id : int public void Rentals_Read() checked_rego : string Colour_Search : string public void Array_position_finder() count_match_copy : int count or : int customer_rentedcheck : int // This does nothing daily_rate_finder : string Main() DailyRate_Search : string Fuel_Search : string GPS_Search : string // Matches Grade_Search: string public void Match_Search() ID_Rent_Vehicle : int id_to_match : string Make_Search : string // This removes any unwanted matches from and match_checker: bool advance search. match_counter_and : int public void Number_Saver() match counter_or : int match_looker : string Model_Search : string // As the name implies it removes a rental from file if it NumSeats_Search : string meets the validations. positions_mixedoperator : IList<int> public void Remove Rental() registration_count : int registration_finder: string Registration_Rent_Vehicle : string // As the name suggest this method takes in an ID and Registration_Search : string checks if is should be deleted by Remove Rental(). registration_to_match : string rego_rentedcheck : string public void Remove_Rental_ID() remove_registration : string save_numbers : IList<int> // This is used to see if a customer/vehicle are currently save_numbers_2 : IList<int> renting or not. Acts as a valindication. SunRoof_Search : string tester : string public void Rental_matcher() Transmission_Search: string Vehicle_Rental_COMPARE : string // If modifying the rentals file is successful this method is Vehicle_Rental_REGO : string Year_Search : string called to save the adjustments. ■ Properties public void Save rental() Checked_ID : int Checked_Rego : string // Use of this method is so that any matches found by the CUSTOMER_RENTEDCHECK : int search are printed out to the screen using this method. Daily_Rate_Finder: string REGO_RENTEDCHECK : string public void Search_Match_Builder() ■ Methods // This takes in the search term and determines what type ♥a Main(): void of search it is going to be. public void Search Term Process() Remove_Rental(): void Remove_Rental_ID(): void Rent Vehicle(): void Rental matcher(): bool Rentals_read(): void Save_rental(): void Search_Match_Builder(): void