CarInfo.java

```java
public class CarInfo {
    private String carId;
    private String carName;
    private String carType;
    private String city;

    public CarInfo(String carId, String carName, String carType, String city) {
        this.carId = carId;
        this.carName = carName;
        this.carType = carType;
        this.city = city;
    }

    public String getCarId() {
        return carId;
    }

    public String getCarName() {
        return carName;
    }

    public String getCarType() {
        return carType;
    }

    public String getCity() {
        return city;
    }
```

```java
public String checkAvailability() {

    String car = "";

    double price = 0.0;


    String carNameLower = carName.toLowerCase();

    String carTypeLower = carType.toLowerCase();

    String cityLower = city.toLowerCase();


    if (!(carNameLower.equals("nissan") || carNameLower.equals("ford"))) {

        return "Invalid Details";

    }


    if (!(carTypeLower.equals("sedan") || carTypeLower.equals("suv") ||
carTypeLower.equals("muv"))) {

        return "Invalid Details";

    }


    if (!(cityLower.equals("newyork") || cityLower.equals("denver") ||
cityLower.equals("losangels"))) {

        return "Invalid Details";

    }


    if (carNameLower.equals("nissan")) {

        switch (carTypeLower) {

            case "sedan": car = "Kicks"; price = 8400.0; break;

            case "suv": car = "Magnite"; price = 10800.0; break;

            case "muv": car = "Terrano"; price = 14400.0; break;

        }

    } else if (carNameLower.equals("ford")) {
```

```java
        switch (carTypeLower) {

            case "sedan": car = "Figo"; price = 4802.0; break;

            case "suv": car = "Eco Sport"; price = 9605.0; break;

            case "muv": car = "Endeavour"; price = 21600.0; break;

        }

    }


    return "Available car and price is: " + car + " and $" + price;

    }

}
```

UserInterface.java

```java
import java.util.Scanner;


public class UserInterface {


    public static CarInfo extractDetails(String carDetails) {

        String[] parts = carDetails.split(":");

        if (parts.length == 4) {

            return new CarInfo(parts[0], parts[1], parts[2], parts[3]);

        }

        return null;

    }


    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter the Car Details");

        String input = sc.nextLine();


        CarInfo car = extractDetails(input);

        if (car == null) {
```

```java
        System.out.println("Invalid Details");

        return;

    }


    String result = car.checkAvailability();


    if (result.equals("Invalid Details")) {

        System.out.println("Invalid Details");

    } else {

        System.out.println("Car Id : " + car.getCarId());

        System.out.println("Car Name : " + car.getCarName());

        System.out.println("Car Type : " + car.getCarType());

        System.out.println("City : " + car.getCity());

        System.out.println(result);

    }


    sc.close();

    }

}
```