VEHICLE PROBLEM

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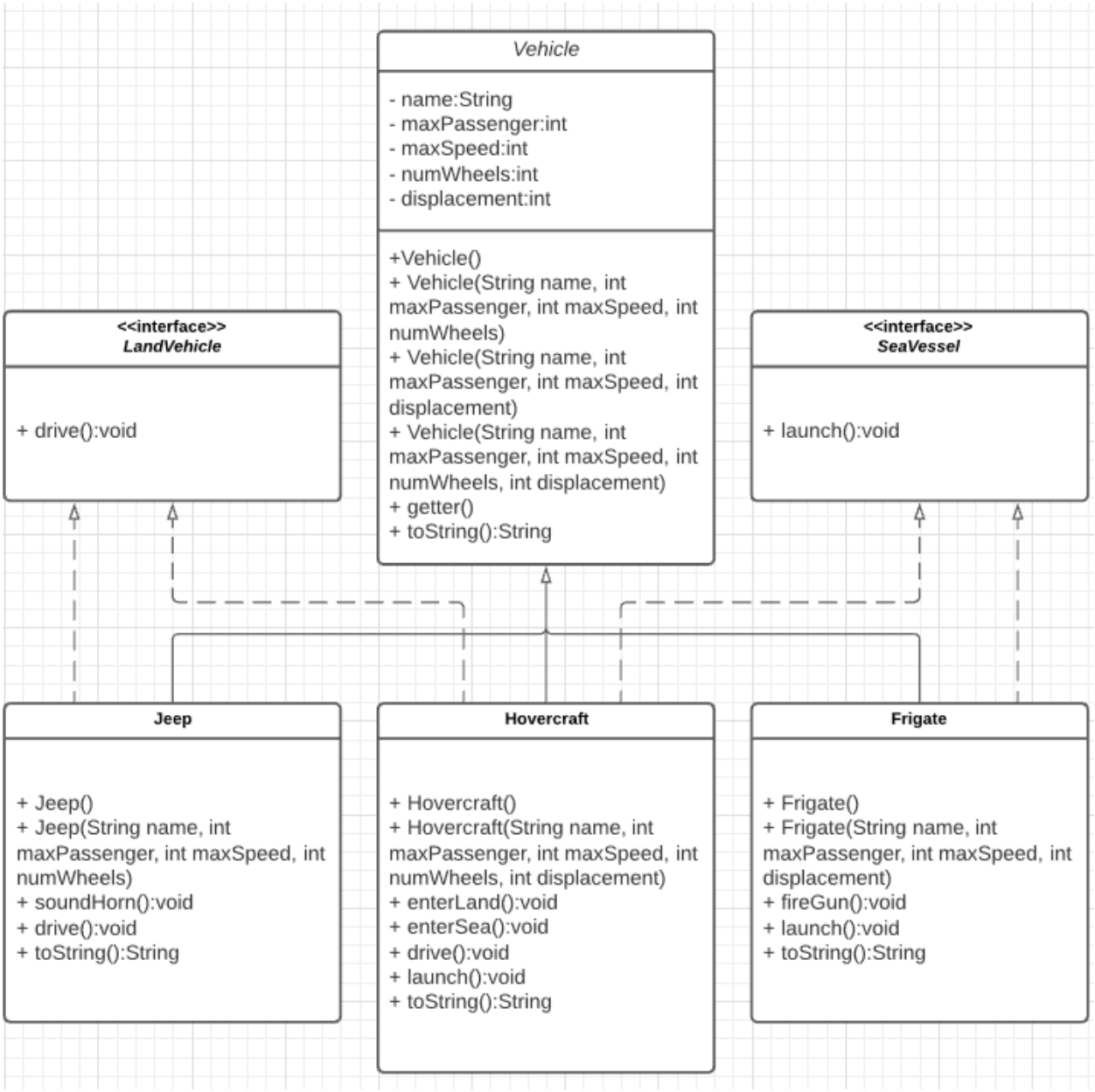
1.



2A.

```
package exercise;

public interface IsEmergency {

    public void soundSiren();
}
```

2B.

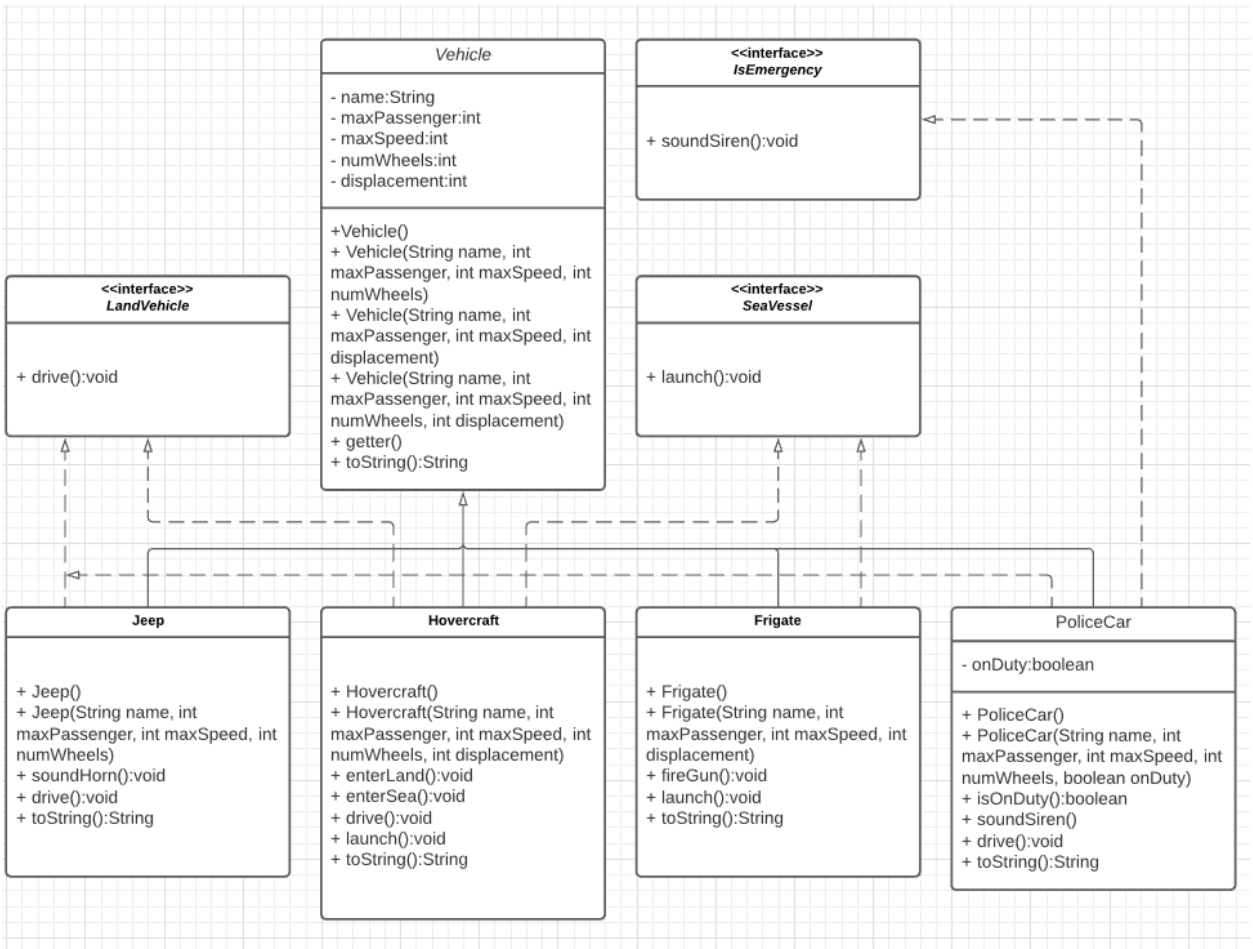
```
public class PoliceCar extends Vehicle implements IsEmergency, LandVehicle
```

2C.

```
private boolean onDuty;

public boolean isOnDuty() {
    return onDuty;
}
```

2D.



2E.

```
PoliceCar policeCar = new PoliceCar("NYPD", 5, 245, 4, true);
PoliceCar policeCar1 = new PoliceCar("CPD", 4, 210, 4, false);
PoliceCar policeCar2 = new PoliceCar("POLIZIA", 6, 234, 4, true);

ArrayList<PoliceCar> policeCars = new ArrayList<>();
policeCars.add(policeCar);
policeCars.add(policeCar1);
policeCars.add(policeCar2);
```

Full code is on the github