```
                              ┌─────────────┐
                              │   Client    │
                              └─────────────┘
                             ↗               ↖
┌──────────────────────────────┐        ┌──────────────────────────────┐
│          Vendor1             │        │          Vendor2             │
├──────────────────────────────┤        ├──────────────────────────────┤
│ + choosetype1 : API1         │        │ + choosetype2 : API2         │
├──────────────────────────────┤        ├──────────────────────────────┤
│ + API1 gettype() : static    │        │ + API2 gettype() : static    │
│ + API1 settype() : static    │        │ + API2 settype() : static    │
│ + makeReservation1() : void()│        │ + makeReservation2() : void()│
│ + bus1() : void()            │        │ + bus2() : void()            │
│ + car1() : void()            │        │ + car2() : void()            │
│ + taxi1() : void()           │        │ + taxi2() : void()           │
│ + airportShuttle1() : void() │        │ + airportShuttle2() : void() │
│ + limousine1() : void()      │        │ + limousine2() : void()      │
└──────────────────────────────┘        └──────────────────────────────┘
```

<<interface>> API

- + busRoute() : String() (static)
- + carRoute() : String()(static)
- + taxiRoute() : String()(static)
- + airportShuttleRoute() : String()(static)
- + limousineRoute() : String() (static)

<<interface>> API1

+void settime1(String x);
+String gettime1();

<<interface>> API2

+void settime2(String x);
+String gettime2();

Bus1

+time1 : String
+settime1(String x) : void()
+gettime1() : String()

Limousine1

+time1 : String
+settime1(String x) : void()
+gettime1() : String()

Car1

+time1 : String
+settime1(String x) : void()
+gettime1() : String()

AirportShuttle1

+time1 : String
+settime1(String x) : void()
+gettime1() : String()

Taxi1

+time1 : String
+settime1(String x) : void()
+gettime1() : String()

Bus2

+time2 : String
+settime2(String x) : void()
+gettime2() : String()

Limousine2

+time2 : String
+settime2(String x) : void()
+gettime2() : String()

Car2

+time2 : String
+settime2(String x) : void()
+gettime2() : String()

AirportShuttle2

+time2 : String
+settime2(String x) : void()
+gettime2() : String()

Taxi2

+time2 : String
+settime2(String x) : void()
+gettime2() : String()

```
┌──────────────┐
│  + public    │
│  - private   │
│ # protected  │
│  ~ default   │
└──────────────┘
```

STRATEGY PATTERN

1.Firstly, the customer chooses a transportation type. The system says the available vendors and then the customer chooses a vendor and chooses a transportation type, then the reservation is made for this type.

2.I placed the time method of own interface of the vendor for time, then I created 5 classes for time and called these classes according to the desired transportation type the I set them.

3.I created route methods in the common API (as public static), because the route methods are the same in all vendors, then I called the route method according to the transportation type.I saved these informations in transportation methods.

4.When the making reservation finished, you returned to the Main class and printed all the bookings.