

Final Project – UML, and Program output

UML

UML - Luxury Vacation Cruise

Ship	Cruise	Passenger
<ul style="list-style-type: none">- shipName: String- Balcony: int- OceanView: int- Suite: int- Interior: int- Inservice: String	<ul style="list-style-type: none">- CruiseName: String- CruiseShip: String- departurePort: String- destination: String	<ul style="list-style-type: none">- passengerName: String- phone: String- email: String- passengerCruise: String- passengerCabin: String
<pre>Ship() Ship(String, int, int, int, int, String) getShipName(): String setShipName(String): none getBalcony(): int setBalcony(int): none getOceanView(): int setOceanView(int): none getSuite(): int setSuite(int): none getInterior(): int setInterior(int): none getInservice(): String setInservice(String): none toString(): String shipNames(): String shipInservice(): String writeToFile(S) readFile()</pre>	<pre>Cruise() Cruise(String, String, String, String) getCruiseName(): String setCruiseName(String): none getCruiseShip(): String setCruiseShip(String): none getDeparture(): String setDeparture(String): none getDestination(): String setDestination(String): none toString(): String CruiseNames(): String writeToFile(C) readFile()</pre>	<pre>Passenger() Passenger(String, String, String, String, String) getPassengerName(): String setPassengerName(String): none getPhone(): String setPhone(String): none getEmail(): String setEmail(String): none getPassengerCruise(): String setPassengerCruise(String): none getPassengerCabin(): String setPassengerCabin(String): none toString(): String passengerNames(): String writeToFile(P) readFile()</pre>

Program output:

Following are the screen captures of the program output on each menu option.

```
Test (3) [Java Application] C:\Users\Anjum Shams\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64.jre\bin\java.exe
Please select from the following options:
1. Add Ship.
2. Edit Ship
3. Add Cruise.
4. Edit Cruise.
5. Add Passenger.
6. Edit Passenger
7. Print Ship Names.
8. Print Ship In Service list.
9. Print Ship Full list.
10. Print Cruise list.
11. Print Cruise Details.
12. Print Passenger list.
0. Exit

1
Please enter ship name:
Liberty
Please enter the number of balcony cabins:
7
Please enter the number of ocean view cabins:
7
Please enter the number of suite cabins:
7
Please enter the number of interior cabins:
7
Is ship in service? yes or no:
Yes
|
Ship [shipName=Liberty, Balcony=7, OceanView=7, Suite=7, Interior=7, Inservice=Yes]
Ship added.
```

```
Search Console
Test (3) [Java Application] C:\Users\Anjum Shams\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86
2. Edit Ship
3. Add Cruise.
4. Edit Cruise.
5. Add Passenger.
6. Edit Passenger
7. Print Ship Names.
8. Print Ship In Service list.
9. Print Ship Full list.
10. Print Cruise list.
11. Print Cruise Details.
12. Print Passenger list.
0. Exit

2

Please edit ship information.
Ship [shipName=Liberty, Balcony=7, OceanView=7, Suite=7, Interior=7, Inservice=Yes]

Please enter ship name:
Liberty
Please enter the number of balcony cabins:
7
Please enter the number of ocean view cabins:
7
Please enter the number of suite cabins:
7
Please enter the number of interior cabins:
7
Is ship in service? yes or no:
No
|
Updated ship information:
Ship [shipName=Liberty, Balcony=7, OceanView=7, Suite=7, Interior=7, Inservice=No]
```

```
Search Console
Test (3) [Java Application] C:\Users\Anjum Shams\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_15.0.1.
Please select from the following options:
1. Add Ship.
2. Edit Ship
3. Add Cruise.
4. Edit Cruise.
5. Add Passenger.
6. Edit Passenger
7. Print Ship Names.
8. Print Ship In Service list.
9. Print Ship Full list.
10. Print Cruise list.
11. Print Cruise Details.
12. Print Passenger list.
0. Exit

3

Please enter cruise name:
Princess
Please enter cruise ship name:
Escape
Please enter departure port:
Orlando
Please enter cruise destination:
Caribbean
|
Cruise [CruiseName=Princess, CruiseShip=Escape, departurePort=Orlando, destination=Caribbean]
Cruise added.
```

```
Search Console
Test (3) [Java Application] C:\Users\Anjum Shams\.p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_15.0.1.v2
Please select from the following options:
1. Add Ship.
2. Edit Ship
3. Add Cruise.
4. Edit Cruise.
5. Add Passenger.
6. Edit Passenger
7. Print Ship Names.
8. Print Ship In Service list.
9. Print Ship Full list.
10. Print Cruise list.
11. Print Cruise Details.
12. Print Passenger list.
0. Exit

4

Please edit cruise information.
Cruise [CruiseName=Princess, CruiseShip=Escape, departurePort=Orlando, destination=Caribbean]

Please enter cruise name:
Princess
Please enter cruise ship name:
Escape
Please enter departure port:
Orlando
Please enter cruise destination:
Europe
|
Updated cruise information:
Cruise [CruiseName=Princess, CruiseShip=Escape, departurePort=Orlando, destination=Europe]
```

```
Search Console
Test (3) [Java Application] C:\Users\Anjum Shams\.p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_15.0.1.v20201027-0507\jre\bin\javaw.exe (Ma
Please select from the following options:
1. Add Ship.
2. Edit Ship
3. Add Cruise.
4. Edit Cruise.
5. Add Passenger.
6. Edit Passenger
7. Print Ship Names.
8. Print Ship In Service list.
9. Print Ship Full list.
10. Print Cruise list.
11. Print Cruise Details.
12. Print Passenger list.
0. Exit

5

Please enter passenger's name:
John
Please enter passenger's phone number:
111-222-3333
Please enter passenger's email address:
john@gmail.com
Please enter passenger's cruise:
Princess
Please enter passenger's cabin:
Balcony-1
|
Passenger [passengerName=John, phone=111-222-3333, email=john@gmail.com, passengerCruise=Princess, passengerCabin=Balcony-1]
Passenger added.
```

```
Search Console
Test (3) [Java Application] C:\Users\Anjum Shams\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_15.0.1.v20201027-0507\jre\bin\javaw.exe (May
Please select from the following options:
1. Add Ship.
2. Edit Ship
3. Add Cruise.
4. Edit Cruise.
5. Add Passenger.
6. Edit Passenger
7. Print Ship Names.
8. Print Ship In Service list.
9. Print Ship Full list.
10. Print Cruise list.
11. Print Cruise Details.
12. Print Passenger list.
0. Exit

6

Please edit passenger information.
Passenger [passengerName=John, phone=111-222-3333, email=john@gmail.com, passengerCruise=Princess, passengerCabin=Balcony-1]

Please enter passenger's name:
John
Please enter passenger's phone number:
111-222-7777
Please enter passenger's email address:
john@gmail.com
Please enter passenger's cruise:
Princess
Please enter passenger's cabin:
Balcony-1
|
Updated passenger information:
Passenger [passengerName=John, phone=111-222-7777, email=john@gmail.com, passengerCruise=Princess, passengerCabin=Balcony-1]
```

```
Search Console
Test (3) [Java Application] C:\Users\Anjum Shams\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_15.0.1.v20201027-0507\jre\bin\javaw.exe (May
Please select from the following options:
1. Add Ship.
2. Edit Ship
3. Add Cruise.
4. Edit Cruise.
5. Add Passenger.
6. Edit Passenger
7. Print Ship Names.
8. Print Ship In Service list.
9. Print Ship Full list.
10. Print Cruise list.
11. Print Cruise Details.
12. Print Passenger list.
0. Exit

7
|
Ship Names:
Ship [shipName=Liberty]
```

```
Search Console
Test (3) [Java Application] C:\Users\Anjum Shams\.p2\pool\plugins\org.eclipse.justj.o
1. Add Ship.
2. Edit Ship
3. Add Cruise.
4. Edit Cruise.
5. Add Passenger.
6. Edit Passenger
7. Print Ship Names.
8. Print Ship In Service list.
9. Print Ship Full list.
10. Print Cruise list.
11. Print Cruise Details.
12. Print Passenger list.
0. Exit

8
|
Ship In Service list:
Ship [shipName=Liberty, Inservice=Yes]
Updated Information
Ship [shipName=Liberty, Inservice=No]
```

```
Search Console
Test (3) [Java Application] C:\Users\Anjum Shams\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64.jdk
Please select from the following options:
1. Add Ship.
2. Edit Ship
3. Add Cruise.
4. Edit Cruise.
5. Add Passenger.
6. Edit Passenger
7. Print Ship Names.
8. Print Ship In Service list.
9. Print Ship Full list.
10. Print Cruise list.
11. Print Cruise Details.
12. Print Passenger list.
0. Exit

9
|
Ship Full list:
Ship [shipName=Liberty, Balcony=7, OceanView=7, Suite=7, Interior=7, Inservice=No]
```

```
Search Console
Test (3) [Java Application] C:\Users\Anjum Shams\.p2\pool\plugins\org.eclipse.justj.o

Please select from the following options:
1. Add Ship.
2. Edit Ship
3. Add Cruise.
4. Edit Cruise.
5. Add Passenger.
6. Edit Passenger
7. Print Ship Names.
8. Print Ship In Service list.
9. Print Ship Full list.
10. Print Cruise list.
11. Print Cruise Details.
12. Print Passenger list.
0. Exit

10
|
Cruise List:
Cruise [CruiseName=Princess]
```

```
Search Console
Test (3) [Java Application] C:\Users\Anjum Shams\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_1

Please select from the following options:
1. Add Ship.
2. Edit Ship
3. Add Cruise.
4. Edit Cruise.
5. Add Passenger.
6. Edit Passenger
7. Print Ship Names.
8. Print Ship In Service list.
9. Print Ship Full list.
10. Print Cruise list.
11. Print Cruise Details.
12. Print Passenger list.
0. Exit

11
|
Cruise details:
Cruise [CruiseName=Princess, CruiseShip=Escape, departurePort=Orlando, destination=Europe]
```

```
Search Console
Test (3) [Java Application] C:\Users\Anjum Shams\.p2\pool\plugins\org.eclipse.justj.openjdk.hc
Please select from the following options:
1. Add Ship.
2. Edit Ship
3. Add Cruise.
4. Edit Cruise.
5. Add Passenger.
6. Edit Passenger
7. Print Ship Names.
8. Print Ship In Service list.
9. Print Ship Full list.
10. Print Cruise list.
11. Print Cruise Details.
12. Print Passenger list.
0. Exit

12
|
Passenger List:
Passenger [passengerName=John]
```