

Coding Assignment

Create a web application with endpoint “SearchFlights” that takes data from three separate provider lists (note different formatting) with the following interface:

```
http://{localhost}/searchFlights/{Origin}/{Destination}
```

Args:

Origin, mandatory

Destination, mandatory

Example:

```
http://{localhost}/searchFlights/YYZ/YYC
```

Expected Output:

1. Display one flight per line in the format:

```
{Origin} --> {Destination} ({Departure Time} --> {Destination Time}) - {Price}
```

- 2.

Example:

```
YYC --> YYZ (6/30/2014 9:30:00 --> 6/30/2014 17:05:00) - $535.00  
YYC --> YYZ (6/30/2014 10:30:00 --> 6/30/2014 18:10:00) - $548.00
```

2. Remove duplicate rows (yes, there are duplicate flights in the provider files).
3. Order by two fields: by “Price” first in ascending order (lowest price first) and by “Departure Time” next (earlier flight first).
4. No found flights will display:
 - o No Flights Found for {Origin} --> {Destination}
 - o i.e. No Flights Found for YYC --> YYZ

Be prepared to demo application with the following arguments:

```
searchFlights/YYZ/YYC
```

5. Write 5 Unit Test to test the application
6. Create Readme.md and explain what you have done

Note: After finishing the assignment make sure you create a zip file <firstName><lastName>-Java.zip and send it to us within 24 hours

Provider1

Origin,Departure Time,Destination,Destination Time,Price
LAS,6/23/2014 13:30:00,LAX,6/23/2014 14:40:00,\$151.00
YYZ,6/15/2014 6:45:00,YYC,6/15/2014 8:54:00,\$578.00
MIA,6/23/2014 19:40:00,ORD,6/23/2014 21:45:00,\$532.00
YYC,6/12/2014 11:00:00,YVR,6/12/2014 11:24:00,\$379.00
LHR,6/21/2014 11:05:00,BOS,6/21/2014 17:06:00,\$975.00
YVR,6/18/2014 9:10:00,YYZ,6/18/2014 19:47:00,\$1093.00
LAX,6/19/2014 8:45:00,YYC,6/19/2014 12:45:00,\$356.00
MIA,6/20/2014 7:45:00,ORD,6/20/2014 12:36:00,\$422.00

Provider2

Origin,Departure Time,Destination,Destination Time,Price
JFK,6-21-2014 17:55:00,YEG,6-21-2014 23:23:00,\$589.00
LAS,6-22-2014 9:45:00,YYZ,6-22-2014 21:20:00,\$549.00
YVR,6-23-2014 9:20:00,YYZ,6-23-2014 15:22:00,\$1122.00
MSY,6-19-2014 5:55:00,YUL,6-19-2014 10:58:00,\$480.00
YYZ,6-26-2014 12:00:00,YYC,6-26-2014 14:09:00,\$630.00
LAX,6-19-2014 11:00:00,YYC,6-19-2014 17:45:00,\$543.00
YYC,6-23-2014 12:40:00,YYZ,6-23-2014 14:54:00,\$541.00
MIA,6-23-2014 19:40:00,ORD,6-23-2014 21:45:00,\$532.00
YVR,6-23-2014 22:10:00,YYZ,6-24-2014 2:22:00,\$1151.00
LAS,6-16-2014 8:11:00,YYZ,6-16-2014 19:28:00,\$703.00
LAX,6-21-2014 8:55:00,YYC,6-21-2014 15:10:00,\$577.00
YYZ,6-15-2014 7:00:00,YVR,6-15-2014 9:00:00,\$647.00
LHR,6-19-2014 6:30:00,BOS,6-19-2014 12:42:00,\$1243.00

Provider3

Origin|Departure Time|Destination|Destination Time|Price
LAS|6/29/2014 14:55:00|LAX|6/29/2014 16:10:00|\$201.00
MIA|6/17/2014 14:55:00|ORD|6/17/2014 17:10:00|\$542.00
LAS|6/29/2014 7:30:00|YYZ|6/29/2014 13:58:00|\$678.00
YYZ|6/22/2014 12:00:00|YYC|6/22/2014 14:09:00|\$630.00
JFK|6/15/2014 9:30:00|YEG|6/15/2014 17:50:00|\$730.00
YYZ|6/13/2014 7:00:00|YVR|6/13/2014 9:00:00|\$648.00
MIA|6/22/2014 6:50:00|ORD|6/22/2014 9:02:00|\$576.00
YYC|6/23/2014 14:15:00|YYZ|6/23/2014 21:59:00|\$573.00
YYZ|6/15/2014 18:00:00|YVR|6/15/2014 20:00:00|\$698.00
LAS|6/16/2014 8:11:00|YYZ|6/16/2014 19:28:00|\$703.00
LHR|6/27/2014 16:40:00|BOS|6/27/2014 18:50:00|\$1616.00
MSY|6/19/2014 14:55:00|YUL|6/19/2014 23:24:00|\$645.00
YYZ|6/22/2014 12:00:00|YYC|6/22/2014 14:09:00|\$630.00
LAS|6/15/2014 9:54:00|LAX|6/15/2014 11:05:00|\$286.00
YYC|6/30/2014 9:30:00|YYZ|6/30/2014 17:05:00|\$535.00

