### Problem 1: Airport Baggage

GitHub Link: <https://github.com/vibhuagrawal/BaggageRoute>

It is a project developed in Java ,the code can be pulled from above mentioned repository and can be imported into eclipse as java project.

The input for this application can be passed at command line by passing one section at a time. Required instructions are printed at command line.

# Section: Conveyor System : A weighted bi-directional graph describing the conveyor system.

please input in the Format of <Node 1> <Node 2> <travel\_time> and to exit the section input 'EOF'

Concourse\_A\_Ticketing A5 5

A5 BaggageClaim 5

A5 A10 4

A5 A1 6

A1 A2 1

A2 A3 1

A3 A4 1

A10 A9 1

A9 A8 1

A8 A7 1

A7 A6 1

EOF

# Section: Departures :

please input departure list in Format: <flight\_id> <flight\_gate> <destination> <flight\_time> and to exit the section input 'EOF'

UA10 A1 MIA 08:00

UA11 A1 LAX 09:00

UA12 A1 JFK 09:45

UA13 A2 JFK 08:30

UA14 A2 JFK 09:45

UA15 A2 JFK 10:00

UA16 A3 JFK 09:00

UA17 A4 MHT 09:15

UA18 A5 LAX 10:15

EOF

# Section: Bags :

please input Bag list Format: <bag\_number> <entry\_point> <flight\_id> and to exit the section input 'EOF'

0001 Concourse\_A\_Ticketing UA12

0002 A5 UA17

0003 A2 UA10

0004 A8 UA18

0005 A7 ARRIVAL

EOF

Output is printed at command line as

Output:

0001 Concourse\_A\_Ticketing A5 A1 : 11

0002 A5 A1 A2 A3 A4 : 9

0003 A2 A1 : 1

0004 A8 A9 A10 A5 : 6

0005 A7 A8 A9 A10 A5 BaggageClaim : 12