Customer Purchase

Choose to enter Flight ID or Airport Codes and Departure Date
Do/ Ask Customer to choose between looking up Flights by ID or Airport Codes and Departure Date

Enter Flight ID
[userSelection == 2]

Enter Airport Codes and Departure Date
[userSelection == 1]

Invalid Input
[userSelection > 2]

Airport Codes and Departure Date
Entry/ Ask Customer to input the airport codes and departure date
Do/ Print all available flights with the airport codes and departure date

Flight ID
Do/ Ask Customer to input the flight ID

Invalid Flight ID
[flightID > flights.size()]

Valid Flight ID
[flightID <= flights.size()]

Flight is Cancelled
Do/ Print that flight is cancelled

Flight Cancelled
[!(flightStatus.equals("Scheduled"))]

Check Flight Status
Do/ Check if flight is scheduled or cancelled

Flight Cancelled
[flightStatus.equals("Scheduled")]

Show Tickets Available
Entry/ Print ticket available for the flight
Do/ Ask Customer which ticket type they would like to purchase

Invalid Ticket Type
[purchaseSelection > 3 || purchaseSelection < 1]

Invalid Ticket Type
[!(purchaseSelection > 3 || purchaseSelection < 1)]

Not enough seats available
[seatsAvailable < amountOfTickets]

Amount of Tickets
Do/ Ask Customer for the amount of tickets they would like to purchase

Invalid Amount of Tickets
[amountOfTickets > 8]

Valid Amount of Tickets
[amountOfTickets <= 8]

Check Seats Availability
Do/ Check if there enough seats available depending the ticket type

Enough seats available
[seatsAvailable >= amountOfTickets]

Transaction Composite

Transaction Composite

Calculate Total
Entry/ Calculate total with fees, discounts and tax
Do/ Check if Customer has enough money avaiable to complete the transaction

Enough money available
[total <= customer.getmoneyAvailable()]

Not enough money available
[total > customer.getmoneyAvailable()]

Confirm Transaction
Do/ Ask Customer to confirm their purchase

Order Not Confirmed
[confirmationYN == 'N']

Order Not Processed
Do/ Print Order Not Processed Message

Order Not Confirmed
[confirmationYN == 'Y']

Print not enough money available
Do/ Tell the Customer they don't have enough money available to complete the purchase

Order Processed
Entry/ Print confirmation number
Do/ Ask Customer if they want to print their ticket

Print Ticket
[printTicketYN == 'Y']

Print Ticket
[printTicketYN == 'N']

Print Ticket
Do/ Print ticket info