***Methods Pseudo code:***

* **Customer Class Methods**

**printCustomer**

OUTPUT “Name” fullname “ [string]

Address” address1 [string]

address2 [string]

address3 [string]

**End printCustomer**

**printFirstname**

OUTPUT “Name” firstname [string]

**End printFirstname**

**getCustomerDetails**

OUTPUT “Enter the Customer’s Name”

INPUT fullname

SET firstname to first part of fullname

OUTPUT “Enter first line of Customer’s Address”

INPUT address1

OUTPUT “Enter second line of Customer’s Address”

INPUT address2

OUTPUT “Enter third line of Customer’s Address”

INPUT address3

**End getCustomerDetails**

* **Time Class Methods**

**getFlightTime**

OUTPUT “Enter the hours”

INPUT hours [positive whole number]

OUTPUT “Enter the Minutes”

INPUT mins [positive whole number]

**End getFlightTime**

**Time Constructor**

SET hours = h [positive whole number]

SET mins = m [positive whole number]

**End Time Constructor**

**GET flight flightTime** [Time object]

**GET totalFightTime** [Time object]

* **Journey Class Methods**

**getFlightDetails**

SET val1, val2, val3, val4 = false [true or false]

DO

OUTPUT “Enter the Departure Date”

INPUT depDate [string]

IF depDate length NOT = 10 THEN [positive whole number]

OUTPUT “Invalid Input. Please enter in the form dd.mm.yyyy ”

ELSE

SET val1 = true  
END IF

LOOP WHILE val1 NOT = true

DO

OUTPUT “Enter the Departure Airport”

INPUT depAirport [string]

IF depAirport length NOT = 3 THEN [positive whole number]

OUTPUT “Invalid Input. Please enter Airport as 3 letter prefix”

ELSE

SET val2 = true  
END IF

LOOP WHILE val2 NOT = true

depTime getFlightTime [Time object] [Time class method]

DO

OUTPUT “Enter the Arrival Date”

INPUT arrDate [string]

IF arrDate length NOT = 10 THEN [positive whole number]

OUTPUT “Invalid Input. Please enter in the form dd.mm.yyyy ”

ELSE

SET val3 = true  
END IF

LOOP WHILE val13 NOT = true

DO

OUTPUT “Enter the Arrival Airport”

INPUT arrAirport [string]

IF arrAirport length NOT = 3 THEN [positive whole number]

OUTPUT “Invalid Input. Please enter Airport as 3 letter prefix”

ELSE

SET val4 = true  
END IF

LOOP WHILE val4 NOT = true

arrTime getFlightTime [Time object]

OUTPUT “Enter the Flight Cost”

INPUT cost [decimal number]

**End getFlightDetails**

**printTickets**

SET flightTime = arrTime – depTime [Time object]

[Centred in rectangular box using ASCII table characters]

OUTPUT “BOARDING PASS” *tab* “CLASS: ECONOMY” *tab*  “COST” cost

OUTPUT “FROM” *tab* “DATE” *tab* “TIME”

OUTPUT depAirport *tab*  depDate *tab*  depTime hours “:” depTime mins

OUPUT “TO” *tab* “DATE” *tab* “TIME”

OUTPUT arrAirport *tab* arrDate *tab*  arrTime hours “:” arrTime mins

OUPUT “EXPECTED FLIGHT TIME” flightTime hours “h” flightTime mins “m”

**End printTickets**

* **Travel Agent Class Methods**

**outputMenu**

OUTPUT “Welcome to LDF Travel” [output underlined]

OUTPUT “Please select from the following options”

OUTPUT “1. Add New Customer”

OUTPUT “2. Enter Flight Details”

OUTPUT “3. Print Tickets”

OUTPUT “4. Print Letter”

OUTPUT “5. Generate Report”

OUTPUT “6. Exit the program”

OUTPUT “Choice>”

INPUT option [positive whole number]

**End outputMenu**

**printLetter**

SET journeyCost = flight1 cost + flight2 cost [decimal number] [Journey objects]

SET totalFlightTime = flight1 flightTime + flight2 flightTime [Time object]

OUTPUT “LDF Travel”

OUTPUT customer1 printCustomer [Customer object] [Customer class method]

OUTPUT “REF” flight1 depAirport “/” flight2 arrAirport “/” flight2 arrDate

OUTPUT “Dear” customer1 printFirstname [Customer class method]

OUTPUT “Please find enclosed your boarding passes for your flight from” flight1 depAirport “to” flight2 arrAirport

OUTPUT “Your Journey is as follows”

[Centred in rectangular box using ASCII table characters]

OUTPUT “SUMMARY OF JOURNEY” *tab* “CLASS: ECONOMY” *tab*  “COST” journeyCost

OUTPUT “FROM” *tab* “DATE” *tab* “TIME”

OUTPUT flight1 depAirport *tab* flight1 depDate *tab*  flight1 depTime hours “:” flight1 depTime mins

OUPUT “TO” *tab* “DATE” *tab* “TIME”

OUTPUT flight2 arrAirport *tab* flight2 arrDate *tab*  flight2 arrTime hours “:” flight2 arrTime mins

OUPUT “TOTAL TIME” totalFlightTime hours “h” totalFlightTime mins “m”

SET flightCounter = flightCounter + 2 [positive whole number]

SET totalFlightCost = totalFlightCost + journeyCost [decimal number]

**End printLetter**

**genReport**

SET commission = totalFlightCost x .1 [float]

[Centred in rectangular box using ASCII table characters]

OUTPUT “END OF DAY REPORT” [output underlined]

OUTPUT “Number of Flights Sold” flightCounter

OUTPUT “Total Cost of Flights” totalFlightCost

OUTPUT “Commission Earned” commission

**End genReport**

**exit**

SET done = true [true or false]

**End exit**

**quit**

RETURN the value of done

**End quit**