Design pseudocode/flowchart for an airport check-in kiosk system. The kiosk should allow passengers to enter their flight information, select seats, and print boarding passes. Consider incorporating features such as baggage check, security clearance, and handling special requests like dietary preferences. Ensure the pseudocode includes error checking for invalid flight details, seat selections, or other potential issues. Additionally, design the pseudocode to provide a smooth and user-friendly experience, guiding passengers through the check-in process and ensuring all necessary information is collected accurately.

Black box: checking validity of passport

: Checking flight details

: Payment process (optional)

: Baggage weighing

: Flight\_details

Solution:

Data structures:

Passenger:

Passprtnum

Country

Name

Flightnum

Date

Time

Bookingnum

Baggagetagnum

weightofbag

Process enter\_data

1. Set isPassportValid to false
2. Input empty passenger data structure
3. Prompt user to enter passport number,country,name,flight number, date, time, booking number
4. Store to passenger-> Passprtnum, passenger->country, passenger->name, passenger->flightnum, passenger->date, passenger->time, passenger->bookingnum
5. isPassportValid =Call check\_passport (passenger-> Passprtnum, passenger->country)process
6. If isPassportValid is true
   1. Check if flightnum is valid
      1. If bookingNum is present in flightnum
         1. Update passenger structure
      2. Else
         1. Display “Booking not found”
         2. Stop

b. Else

I. Display “Invalid flight”

II . Stop

1. Else
   1. Display “Invalid passport”
   2. Stop

Process baggage\_check

1. Input passenger structure
2. Prompt user to select(options 1,2) noofbags
3. Store to count
4. Repeat steps 3 to 6 while (count\_\_\_\_\_\_\_)
5. Prompt user to place baggage on the weighing machine
6. Weightofbag=Call Baggage weighing
7. If (Weightofbag<=23)
   1. Generate random baggagetagnum
   2. Print baggage tag
   3. Check in baggage
8. Else

a. Display “Call for assistance”

b.Stop

Main

1.Set passenger to empty.

2.Call enter\_data

3. Call seat\_selection

4.Call baggage\_checkin

5. Print boarding pass

6.Exit