

**PSP [20ES104] COURSE PROJECT REPORT**

**On**

**“Air ways ticket booking”**

Developed By:

H.T.NO STUDENT NAME

2203A52102 M. Swetha

2203A52114 N. Prasanna

Under the Guidance of

Mr. G.RANJITH KUMAR, M.Tech.(Ph.D)

Assistant Professor

Submitted to

Department Computer Science and Artificial Intelligence SR University

Ananthasagar(V), Hasanparthy(M), Hanamkonda(Dist.) – 506371 [www.sru.edu.in](http://www.sru.edu.in/)

**June 2023**

**Department of Computer Science and Artificial Intelligence**

**CERTIFICATE**

This is to certify that the PSP course project report entitled **“ Air ways ticket booking”** is a record of bonafide work carried out by the students M. Swetha & N .Prasanna bearing roll numbers 2203A52102 & 2203A52114 of Computer Science and Artificial Intelligence department during the academic year 2022-23.

**Supervisor**

(G.RANJITH KUMAR)

**INDEX**

**Sl. No Title Page No.**

1. Problem statement 1
2. Module-wise description 2
3. Knowledge required to develop the project 4
4. Source code (.c file code followed by .h file code) 5
5. Results 35

# PROBLEM STATEMENT:

C program to print flight names to select a flight and book a ticket by entering following passenger’s details.  
Aadhar number  
starting and destination places  
departure date  
choosing flights  
cost of ticket and no.of tickets  
and personal details of the passengers

# MODULES:

***Eg:***

In this application fligt names are displayed and ask the passengers to select a flight.After selecting a flight user has to select no.of seats. In order to repeat the loop control statement (for loop) is used with condition. The memory allocation will be done in this program staticly. The application asks the person who runs the program that how many passengers data he/she want to store.

In this application four modules are used.

1. Read/Input

In this module the application asks the person who runs the program to enter n passenger’s details. To give n customers details for loop is used.

1. Sorting

In this module sorting of data is done according to the chosen wise.

In this module there is a sub menu which asks to select the sorting wise by using switch case. The sorting sub menu will be like press 1 to sort by name wise press 2 to sort by age wise press 3 to sort aadhar number wise press 4 to sort by berth wise 5 to sort by date of travel wise press 6 to sort by train wise press 6 to sort train name wise press 7 to sort by boarding station wise press 8 to sort departing station wise.

In this module we used another control statement (do while) so that the application asks whether to continue sorting.

1. Searching

In this module searching of data is done according to the chosen wise.

In this module there is a sub menu which asks to select the sorting wise by using switch case. The sorting sub menu will be like press 1 to search by name wise press

2 to search by age wise press 3 to search aadhar number wise press 4 to search by berth wise 5 to search by date of travel wise press 6 to search by train wise press 6 to search train name wise press 7 to

search by boarding station wise press 8 to search departing station wise.

In this module we used another control statement (do while) so that the application asks whether to continue searching.

1. Print

In this module all the stored details of Avaliable flights and n customers will be displayed on to the screen. In this module printf function and for loop,GOTO STATEMENTS are used.

**KNOWLEDGE REQUIRED TO DEVELOP THIS APPLICATION**

* + Control Statements (if, if-else, switch)
  + Loop Statements (while/do while, for)
  + Arrays (1D/2D-arrays)
  + Strings (Strings and Table of strings) and its functions (strcpy, strcmp)
  + Functions (Any type of user defined functions)
  + Structure (structures and nested structures)
  + Pointers (pointer to strings and pointers to structures)
  + Dynamic Memory Allocation (malloc/ calloc/ realloc)

**SOURCE CODE [.C FILE]:**

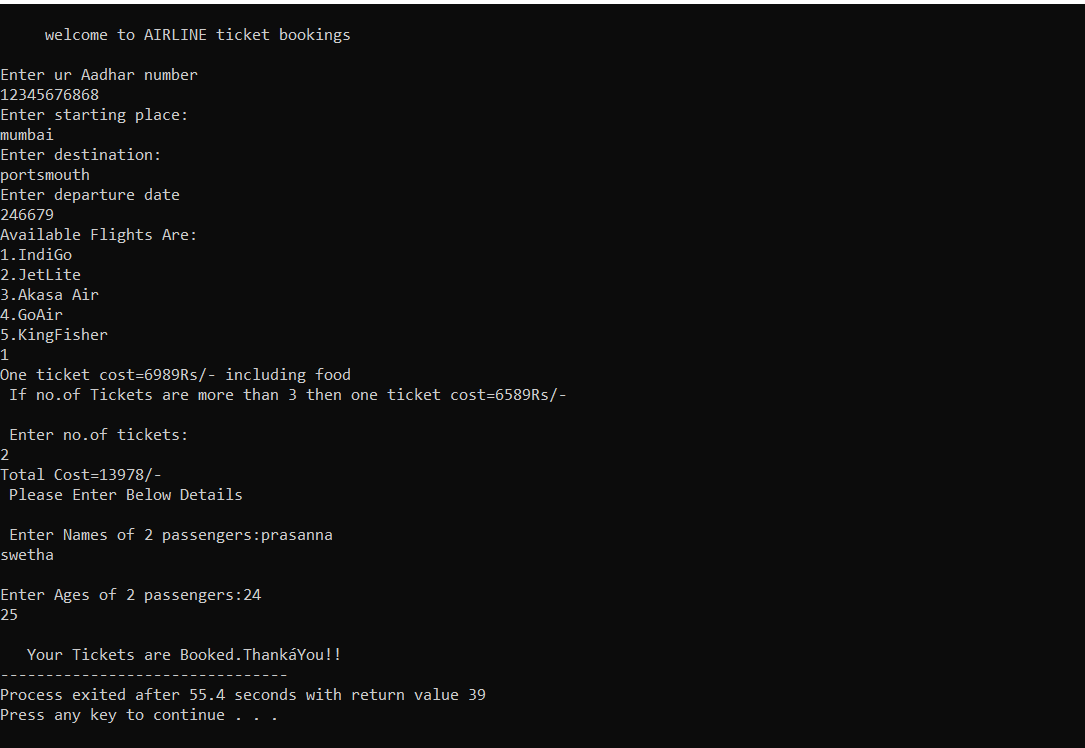
* #include<stdio.h>
* void main()
* {
* char name[100],a[100],d[100];
* int age,seats,pn,date,in,op,t,i,month,year,k,f;
* printf("\n welcome to AIRLINE ticket bookings\n\n");
* printf("Enter ur Aadhar number\n");
* scanf("%d",&pn);
* printf("Enter starting place: ");
* scanf("%s",&a);
* printf("Enter destination: ");
* scanf("%s",&d);
* printf("Enter departure date dd/mm/yy\n");
* scanf("%d/%d/%d",&date,&month,&year);
* printf("Available Flights Are:\n");
* printf("1.IndiGo\n");
* printf("2.JetLite\n");
* printf("3.Akasa Air\n");
* printf("4.GoAir\n");
* printf("5.KingFisher\n");
* table:
* scanf("%d",&op);

**SOURCE CODE [HEADER FILE]:**

* if(op==1||op==2||op==4||op==5)
* {
* printf("One ticket cost=6989Rs/- including food\n If no.of Tickets are more than 3 then one ticket cost=6589Rs/-\n");
* printf("\n Enter no.of tickets:\n");
* scanf("%d",&t);
* if(t<=3)
* {
* printf("Total Cost=%d/-",t\*6989);
* goto submit;
* }
* else
* printf("Total Cost=%d/-",t\*6589);
* goto submit;
* }
* else
* printf("tickets not available\n please choose another flight\n");
* goto table;
* submit:
* printf("\n Please Enter Below Details\n\n ");
* printf("Enter Names of %d passengers:",t);
* for(k=1;k<=t;k++){
* scanf("%s",name);}
* printf("\nEnter Ages of %d passengers:",t);
* for(f=1;f<=t;f++){
* scanf("%d",&age);}
* printf("\n Your Tickets are Booked.Thank You!!");

}

**RESULTS:**

****