

# Airline Ticket Booking System

## *Custom Header File*

Reason: We used a custom header file to make things look simple in the main file and for data abstraction.

```
#include <Function.h>
```

## *Variables*

```
struct node    //Structure to store bookings

char src[Size]; //source of the flight

char dest[Size]; // destination of the flight

char time[5];   //block time of the flight

int fare;       //fare of the particular flight

struct node* link; //pointer reference used in Linked List
```

## *Functions*

```
Struct node addNode(struct node param1, Struct node param2);
// function of return node type which returns the linked list, it
adds the nodes in the program

void putData(char *file,sn s)
// function to put data in a TEXT file

struct node getData(char *file,struct node s)//function to retrieve data
from file

void displayList(struct node s)//function to display data directly from the Text
File

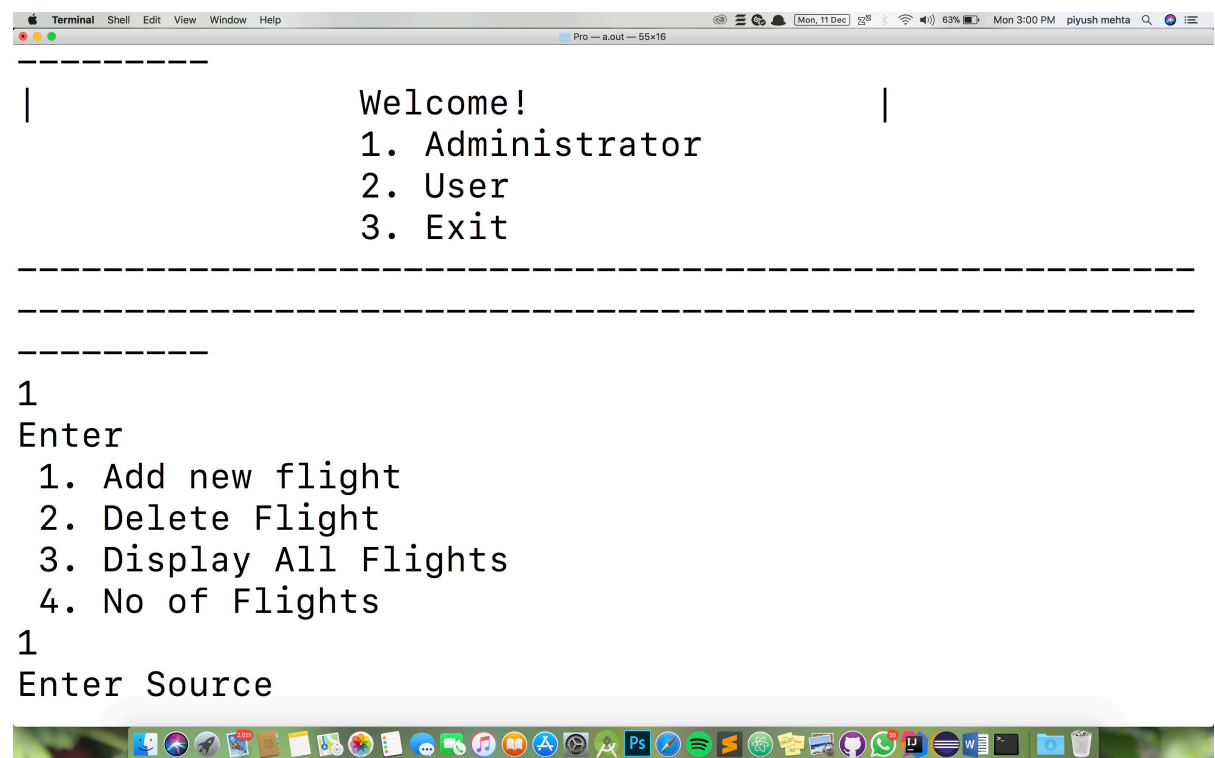
struct node delete_nth_node(int n, struct node s) //to delete a particular
flight

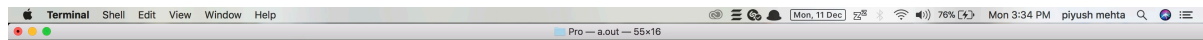
int getSize(sn s)//needed to delete a particular flight, used in the above function

void addFlight()//Administrator function to add new flight in the database/file

void deleteFlight() //to delete a particular flight using the delete nth node function
```

```
void deleteBooking() //to delete a particular booking
```





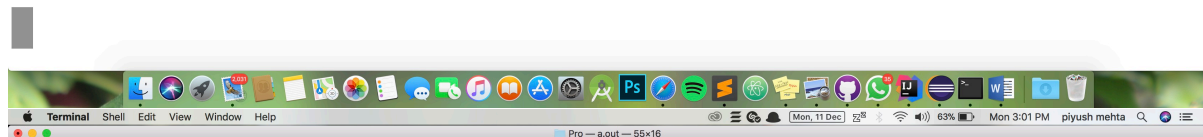
```
2. Delete Flight
3. Display All Flights
4. No of Flights
```

```
4
No of Flights are is 13
```

```
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```

```
Welcome!
1. Administrator
2. User
3. Exit
```

```
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-----
-----
```



```
3. Display All Flights
4. No of Flights
1
Enter Source
Bengaluru
Enter Destination
mumbai
Enter Time in 24hr format (example-21:50)
09:02
Enter base fare
3200
```

```
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```

```
|
Welcome!
1. Administrator
```



```
Terminal Shell Edit View Window Help
Pro — a.out — 55x16
Mon, 11 Dec 63% Mon 3:01 PM piyush mehta

2. Delete Booking
3. Display All Bookings
3
Data Read
1> bengaluru TO delhi
AT : 22:00
FARE = 4400
2> delhi TO mumbai
AT : 12:00
FARE = 3200
3> mumbai TO delhi
AT : 22:00
FARE = 4200
4> delhi TO toronto
AT : 04:20
FARE = 44020
```

```
Terminal Shell Edit View Window Help
Pro — a.out — 55x16
Mon, 11 Dec 61% Mon 3:08 PM piyush mehta

Enter
1. New Booking
2. Delete Booking
3. Display All Bookings
2
Data Read
1> bengaluru TO delhi
AT : 22:00
FARE = 4400
2> delhi TO mumbai
AT : 12:00
FARE = 3200
3> mumbai TO delhi
AT : 22:00
FARE = 4200
4> delhi TO toronto
```