TICKET RESERVATION SYSTEM

A MINI PROJECT REPORT

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LIST OF C CONCEPTS:

CONCEPT	USED IN PROGRAM AS NAME OF
Structure -	Struct S
Functions -	Booking,Availability,Cancellation and main function
Array -	Name[] , Address[]

Control Structure -	Switch
	
	If()
	
	…….
	
	Else

LIST OF FIGURES :

RAILWAY RESERVATION SYSTEM

Creation of "RAILWAY RESERVATION SYSTEM" based on 3 modules:

- ☐ BOOKING

- ☐ CHECKING AVAILABILITY

- ☐ CANCELLATION

PROGRAM:

#include<stdio.h>

#include<conio.h>

int first=10,second=20,third=30,a;

struct node   **//defining a structure**

```c
{

int ticketno;

int phoneno;

char name[100];

int age;

int aadhar;

}s;

void booking()                    //defining a function for ticket booking

{

printf("\nStep 1: Ticket Booking\n");

printf("\n\tEnter details:\n");

printf("\t1.Name of the Passanger:");

scanf("%s",s.name);

printf("\t2.Contact Number:");

scanf("%d",&s.phoneno);

printf("\t3.Age:");

scanf("%d",&s.age);

printf("\t4.Aadhar Number:");

scanf("%d",&s.aadhar);

printf("\t5.Number of tickets needed:");
```

```c
scanf("%d",&s.ticketno);

}

void availability()          //defining a function for checking availability

{

int c,one=350,two=250,three=150,total;

clrscr();

printf("\nStep 2: Checking Availability of Ticket\n");

printf("\n\t1.First class\n\t2.Second class\n\t3.Third class\n");

printf("\n\tEnter your choice:");

scanf("%d",&c);

switch(c)

{

case 1:if(first>s.ticketno)

{

printf("\t\tSeats are available in First Class\n");

printf("\t\tTicket has been successfully booked in First Class\n");

one=one*s.ticketno;

total=one;

printf("\t\tAmount to be paid%d",total);

a=1;
```

```c
first=first-s.ticketno;

}

else

{

printf("\t\tSeats are not available in First Class\n");

}

break;

case 2:   if(second>s.ticketno)

{

printf("\t\tSeats are available in Second Class\n");

printf("\t\tTicket has been successfully booked in Second Class\n");

two=two*s.ticketno;

total=two;

printf("\t\tAmount to be paid%d",total);

a=1;

second=second-s.ticketno;

}

else

{

printf("\t\tSeats are not available in Second Class\n");
```

```c
}

break;

case 3:if(third>s.ticketno)

{

printf("\t\tSeats are available in Third Class\n");

printf("\t\tTicket has been successfully booked in Third Class\n");

three=three*s.ticketno;

total=three;

printf("\t\tAmount to be paid%d",total);

a=1;

third=third-s.ticketno

}

else

{

printf("\t\tSeats are not available in Third Class\n");

}

break;

default:

 printf("\nInvalid Choice");

 break;
```

```c
    }

    }

    void cancel()                          //defining a function for cancellation

    {

    int c;

    if(a==1)

    {

    printf("\nStep 3: Cancellation of Ticket");

    printf("\n\t\tIf you want to cancel the ticket...press 1\n \t\tElse press any
    other number: ");

    scanf("%d",&c);

    if(c==1)

     {

      printf("\n\t\tYour ticket has been cancelled successfully");

     }

     else

     {

      exit();

     }

    }
```

```c
}

void main()                                                //main() function

{

int n;

clrscr();

printf("\t\t*** Welcome to Railway Reservation System ***\t\t\t\n\n");

printf("Steps:\n");

printf("\t1.Ticket booking\n\t2.Checking availability of
ticket\n\t3.Cancellation of ticket\n");

booking();                                                 //calling the function

availability();                                            //calling the function

cancel();                                                  //calling the function

printf("\n\n\t\t\t\t*** Thank You ***\t\t");

getch();

}
```

OUTPUT:

TICKET BOOKING:

```
            *** Welcome to Railway Reservation System ***

Steps:
        1.Ticket booking
        2.Checking availability of ticket
        3.Cancellation of ticket

Step 1: Ticket Booking

        Enter details:
        1.Name of the Passanger:John
        2.Contact Number:9131211041
        3.Age:25
        4.Aadhar Number:1234567890
        5.Number of tickets needed:6
```

FIGURE: 1.1   BOOKING THE TICKET

CHECKING AVAILABILITY:

```
Step 2: Checking Availability of Ticket

        1.First class
        2.Second class
        3.Third class

        Enter your choice:1
                Seats are available in First Class
                Ticket has been successfully booked in First Class
                Amount to be paid2100
```

FIGURE: 1.2   CHECKING AVAILABILITY OF TICKET

CANCELLATION OF TICKET:

```
                      Amount to be paid...
Step 3: Cancellation of Ticket
              If you want to cancel the ticket...press 1
              Else press any other number: 0


                           *** Thank You ***

...Program finished with exit code 255
Press ENTER to exit console.
```

FIGURE: 1.3   CANCELLATION OF THE TICKETS