

TICKET REGISTRATION SYSTEM

IBM CAREER EDUCATION

MAIN PROJECT

DOMAIN NAME: JAVA

TICKET REGISTRATION SYSTEM

Submitted By,



Ajmeri Mohammedazhar Amit(18162121001),

Aumkar Joshi(18162121003)

II Year – (BDA) ‘B’ Section

Ganpat University, Ahmedabad.

Submitted To,

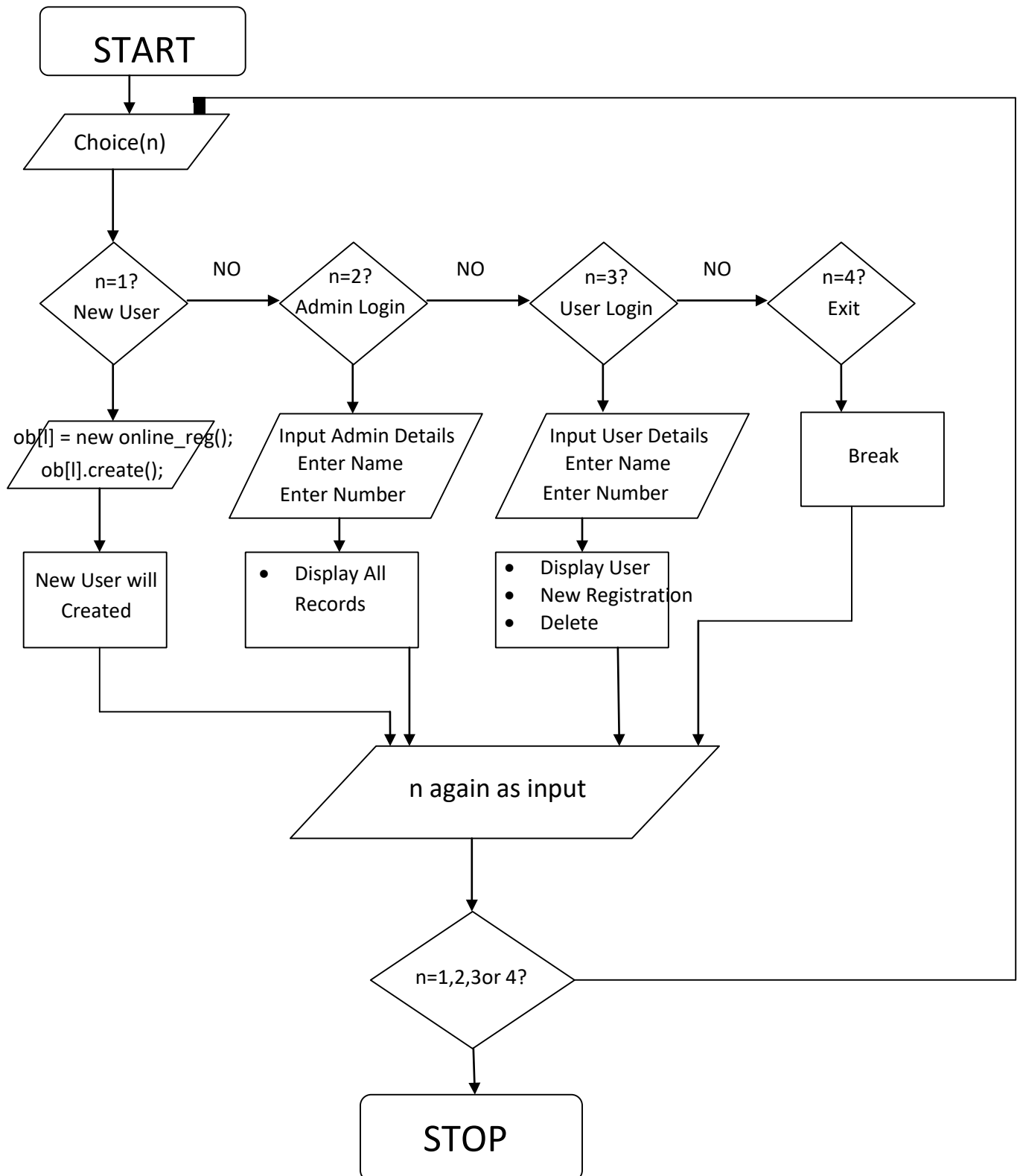
A. Saai Sanjeev Achaarya



IBM Software Technical
Trainer

TICKET REGISTRATION SYSTEM

FLOWCHART



TICKET REGISTRATION SYSTEM

SOFTWARE SPECIFICATIONS

- OPERATING SYSTEM : Linux
- ENVIRONMENT : Linux Terminal / NetBeans

HARDWARE SPECIFICATION

- ☐ PROCESSOR : PENTIUM IV 2.8MHz
- ☐ RAM : 256 MB SD RAM
- ☐ MONITOR : 15" COLOR
- ☐ HARD DISK : 40 GB
- ☐ FLOPPY DRIVE : 1.44 MB

TICKET REGISTRATION SYSTEM

DESCRIPTION

INTRODUCTION:

This whole system is based on a concept to reserve airplane and train tickets of various destinations. Here, as the program is executed, there's a login system then the user has to choose between reserving a ticket, viewing all the available route and cancel the reservation. By choosing reservation of ticket, user has to enter the name, number and then choose by which type of travelling route they want to take. User can also view full list of all the airplanes available. After reserving a ticket you can also cancel your reservation. This whole project is designed in JAVA Programming language.

DESCRIPTION:

It is a project which aims in developing a computerized system to maintain all the daily work of ticket registration. It is a registration system for booking of air flights and railways. It can easily be used for entering a new record and viewing records and updating them.

TICKET REGISTRATION SYSTEM

Pros:

- Data entry can be faster.
- Accurate and time efficient.
- Data backup is easier.
- Faster searching of records.

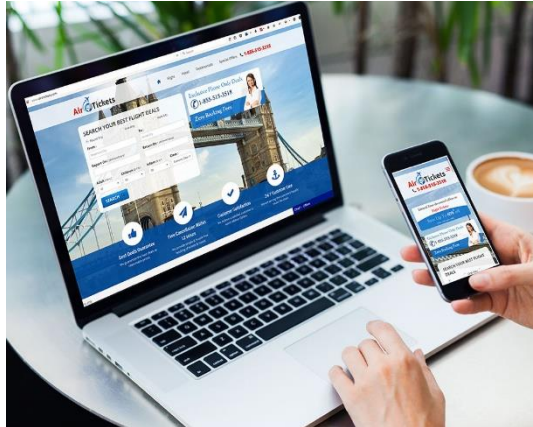
Cons:

- As this is based on internet many security issues can occur.
- There is a fear that due to online booking many travel agents may lose their jobs.

TICKET REGISTRATION SYSTEM

PICTURES

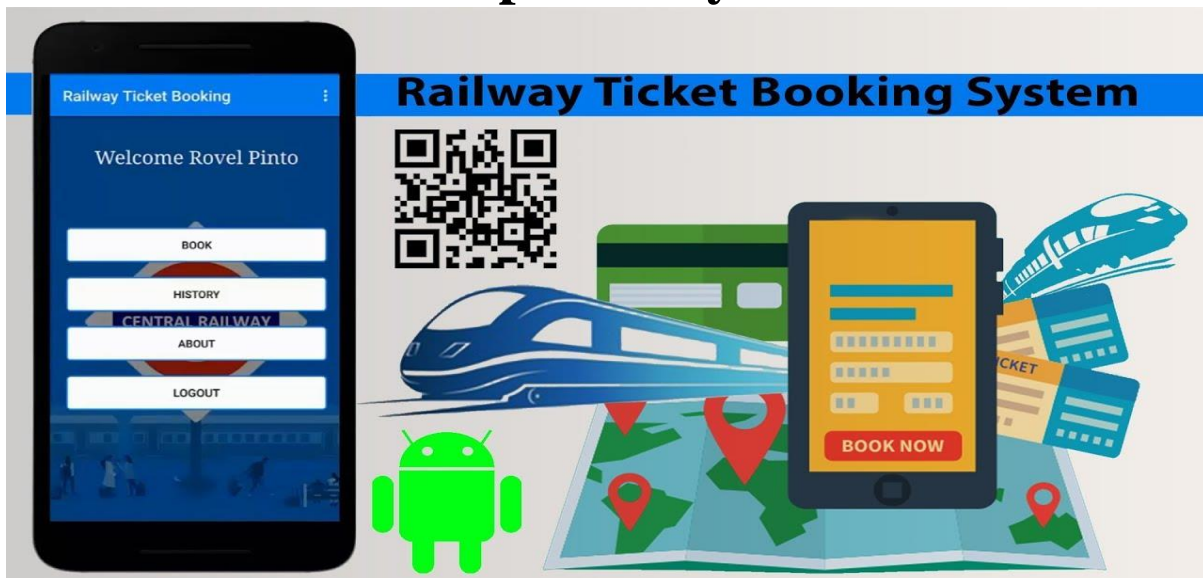
✦ **Easy Booking:**



✦ **Train and Airlines:**



✦ **No Platform Dependency:**



TICKET REGISTRATION SYSTEM

AIM:

To create and implement a computerised Ticket Registration system which:-

- **Adds a new registration record**
- **Airplane Tickets**
- **Train Tickets**
- **View records according to type and by user.**

PROGRAM:

```
import java.io.*;
class online_reg
{
    long number;
    static int reg_no=1;
    int fare[]=new int[10], type[]=new int[10], route1[]=new int[10], d[]=new int[10], m[]=new
    int[10], y[]=new int[10], no[]=new int[10];
    String name, start[]=new String[10], dest[]=new String[10];
    int f=0;
    BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

    void route()throws java.lang.Exception
    {
        System.out.println("\t1. AIR ROUTE\t2. TRAIN ROUTE :");
        System.out.print("\tEnter :");
        no[f]=reg_no;
        reg_no++;
        type[f]=Integer.parseInt(br.readLine());
        if(type[f]==1)
        {
            System.out.println("\n\t-----Available flight routes are-----");
            System.out.println("\tRoute [1] : GUJARAT TO GOA - Fare: 1000, Total Fare: 1190");
            System.out.println("\tRoute [2] : DELHI TO MUMBAI - Fare: 2000, Total Fare: 2380");
            System.out.println("\tRoute [3] : DELHI TO AGRA - Fare: 1500, Total Fare: 1785");
        }
    }
}
```

TICKET REGISTRATION SYSTEM

```
System.out.println("\tRoute [4] : GOA TO MUMBAI - Fare: 2500, Total Fare: 2975");
System.out.println("\tRoute [5] : MUMBAI TO GOA - Fare: 3500, Total Fare: 4165");
System.out.println("\t-----");
route1[f]=Integer.parseInt(br.readLine());
}
else
{
System.out.print("Enter your train route (start destination) :");
start[f]=br.readLine();
dest[f]=br.readLine();
System.out.print("Enter fare :");
fare[f]=Integer.parseInt(br.readLine());
}
System.out.print("Enter date (d m y) :");
d[f]=Integer.parseInt(br.readLine());
m[f]=Integer.parseInt(br.readLine());
y[f]=Integer.parseInt(br.readLine());
f++;
}
void create()throws java.lang.Exception
{
System.out.print("\t\tEnter Name :");
name=br.readLine();
System.out.print("\t\tEnter Number :");
number=Long.parseLong(br.readLine());
}
void show()
{
for(int i=0;i<f;i++)
{
if(no[i]==0)
{}
else
{
System.out.println("-----");
System.out.println("\tName : "+name);
System.out.println("\tRegistration_no : "+no[i]);
System.out.println("\tPhone Number : "+number);
if(type[i]==1)
{
System.out.println("\tRoute : Airway");
if(route1[i]==1)
{
System.out.println("\tRoute : GUJARAT TO GOA - Fare: 1000, Total Fare: 1190");
}
else if(route1[i]==2)
{
System.out.println("\tRoute : DELHI TO MUMBAI - Fare: 2000, Total Fare: 2380");
}
}
```


TICKET REGISTRATION SYSTEM

```
else if(route1[i]==3)
{
System.out.println("\tRoute : DELHI TO AGRA - Fare: 1500, Total Fare: 1785");
}
else if(route1[i]==4)
{
System.out.println("\tRoute : GOA TO MUMBAI - Fare: 2500, Total Fare: 2975");
}
else
{
System.out.println("\tRoute : MUMBAI TO GOA - Fare: 3500, Total Fare: 4165");
}
}
else if(type[i]==2)
{
System.out.println("\tRoute : Railway");
System.out.println("\tRoute : "+start[i]+" TO "+dest[i]+" - Fare: "+fare[i]);
}
System.out.println("\tTravel Date : "+d[i]+"-"+m[i]+"-"+y[i]);
System.out.println("-----");
}
}
}
public void delete1()throws java.lang.Exception
{
int i,k;
System.out.print("\t\tEnter Registration number to delete :");
System.out.print("\t\t");
k=Integer.parseInt(br.readLine());
for(i=0;i<f;i++)
{
if(no[i]==k)
{
no[i]=0;
System.out.println("\t\t-----Deleted successfully!-----");
break;
}
}
}
public static void main(String args[])throws java.lang.Exception
{
BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
online_reg ob[] = new online_reg[5];
int n=0;
int l=0;
int i=0,k=0;
String name1;
int d=0;
long number1;
```

TICKET REGISTRATION SYSTEM

```
while(n!=4)
{
System.out.println("\n\n\t\t\t-----");
System.out.println("\t\t\t\t1. New User\t\t");
System.out.println("\t\t\t\t\t-----");
System.out.println("\t\t\t\t2. Admin login\t\t");
System.out.println("\t\t\t\t\t-----");
System.out.println("\t\t\t\t3. User login\t\t");
System.out.println("\t\t\t\t\t-----");
System.out.println("\t\t\t\t4. Exit\t\t\t");
System.out.println("\t\t\t\t\t-----");
System.out.print("\n\t\t\tEnter Choice :");
n=Integer.parseInt(br.readLine());
switch(n)
{
case 1:
ob[l] = new online_reg();
ob[l].create();
l++;
break;
case 2:
System.out.print("\n\t\tEnter admin details: \n \t\tEnter name : ");
name1=br.readLine();
System.out.print("\t\tEnter Number :");
number1=Long.parseLong(br.readLine());
n=0;
if(name1.equals("admin") && number1==001)
{
System.out.println("\t\t\t-----Admin login successful!-----");
while(n!=2)
{
System.out.println("\t\t\t\t\t-----");
System.out.println("\t\t\t\t1. Display all records");
System.out.println("\t\t\t\t\t-----");
System.out.println("\t\t\t\t2.Exit");
System.out.println("\t\t\t\t\t-----");
System.out.print("\t\t\t");
n=Integer.parseInt(br.readLine());
if(n==1)
{
if(l==0)
{
System.out.println("-----No Registrations-----");
break;
}
for(i=0;i<l;i++)
{
ob[i].show();
}
}
```

TICKET REGISTRATION SYSTEM

```
}
else
{
System.out.println("wrong input");
}
}

}
break;
case 3:
if(l==0)
{
System.out.println("No users");
}
else
{
System.out.print("\n\t\tEnter user details: \n \t\tEnter name : ");
name1=br.readLine();
System.out.print("\t\tEnter Number :");
number1=Long.parseLong(br.readLine());
n=0;
for(i=0;i<l;i++)
{
if(name1.equals(ob[i].name) && number1==ob[i].number)
{
d=76;
System.out.println("\t\t-----login successful!-----");
while(n!=5)
{
System.out.println("\t\tt-----");
System.out.println("\t\tt1. Display your Registration ");
System.out.println("\t\tt-----");
System.out.println("\t\tt2. New Registration ");
System.out.println("\t\tt-----");
System.out.println("\t\tt3. Delete Registration ");
System.out.println("\t\tt-----");
System.out.println("\t\tt5.Exit");
System.out.println("\t\tt-----");
System.out.print("\t\tt");
n=Integer.parseInt(br.readLine());
if(n==1)
{
if(l==0)
{
System.out.println("-----No Registrations-----");
}
else
{
ob[i].show();

```

TICKET REGISTRATION SYSTEM

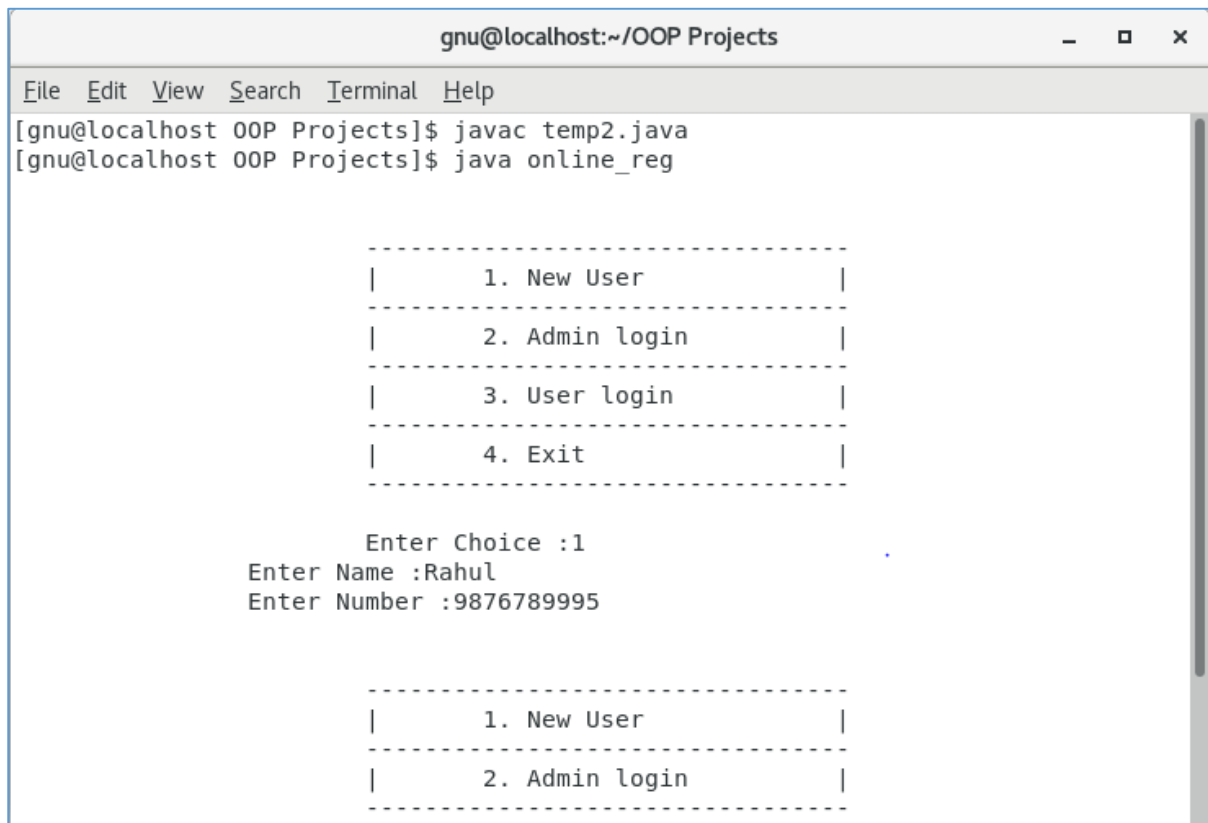
```
}  
}  
else if(n==2)  
{  
    ob[i].route();  
}  
else if(n==3)  
{  
    ob[i].delete1();  
}  
else if(n==5)  
{  
  
}  
else  
{  
    System.out.println("wrong input");  
}  
}  
}  
}  
break;  
case 4:  
    System.exit(0);  
break;  
default:  
    System.out.println("Wrong input.");  
}  
}  
}  
}
```

TICKET REGISTRATION SYSTEM

EXPLANATION ABOUT PROJECT:

First you need to create a user, after add details about the user to book the ticket. We can use admin account which can see all the user account and details while the user can access only his/her own account only.

OUTPUT SCREENSHOTS:



```
gnu@localhost:~/OOP Projects
File Edit View Search Terminal Help
[gnu@localhost OOP Projects]$ javac temp2.java
[gnu@localhost OOP Projects]$ java online_reg

-----
|      1. New User      |
|      2. Admin login   |
|      3. User login    |
|      4. Exit          |
-----

Enter Choice :1
Enter Name :Rahul
Enter Number :9876789995

-----
|      1. New User      |
|      2. Admin login   |
|      3. User login    |
|      4. Exit          |
-----
```

TICKET REGISTRATION SYSTEM

```
gnu@localhost:~/OOP Projects
File Edit View Search Terminal Help

-----
|      1. New User      |
|-----|
|      2. Admin login   |
|-----|
|      3. User login    |
|-----|
|      4. Exit          |
|-----|

Enter Choice :3

Enter user details:
Enter name : Rahul
Enter Number :9876789995
-----login successful!-----

-----
1. Display your Registration
-----
2. New Registration
-----
3. Delete Registration
-----
```

```
gnu@localhost:~/OOP Projects
File Edit View Search Terminal Help

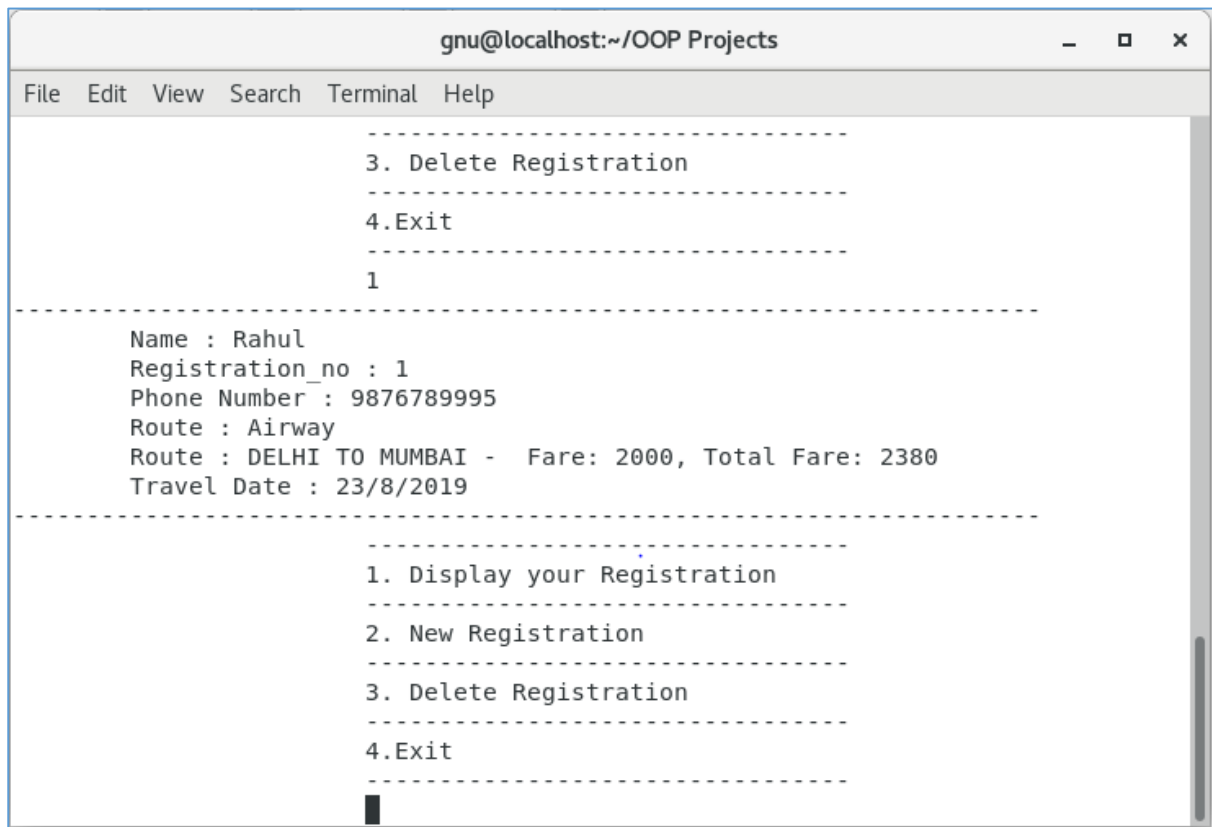
4.Exit
-----
2
1. AIR ROUTE      2. TRAIN ROUTE :
Enter :1

-----Available flight routes are-----
Route [1] : GUJARAT TO GOA - Fare: 1000, Total Fare: 1190
Route [2] : DELHI TO MUMBAI - Fare: 2000, Total Fare: 2380
Route [3] : DELHI TO AGRA - Fare: 1500, Total Fare: 1785
Route [4] : GOA TO MUMBAI - Fare: 2500, Total Fare: 2975
Route [5] : MUMBAI TO GOA - Fare: 3500, Total Fare: 4165
-----

2
Enter date (d m y) :23
08
2019

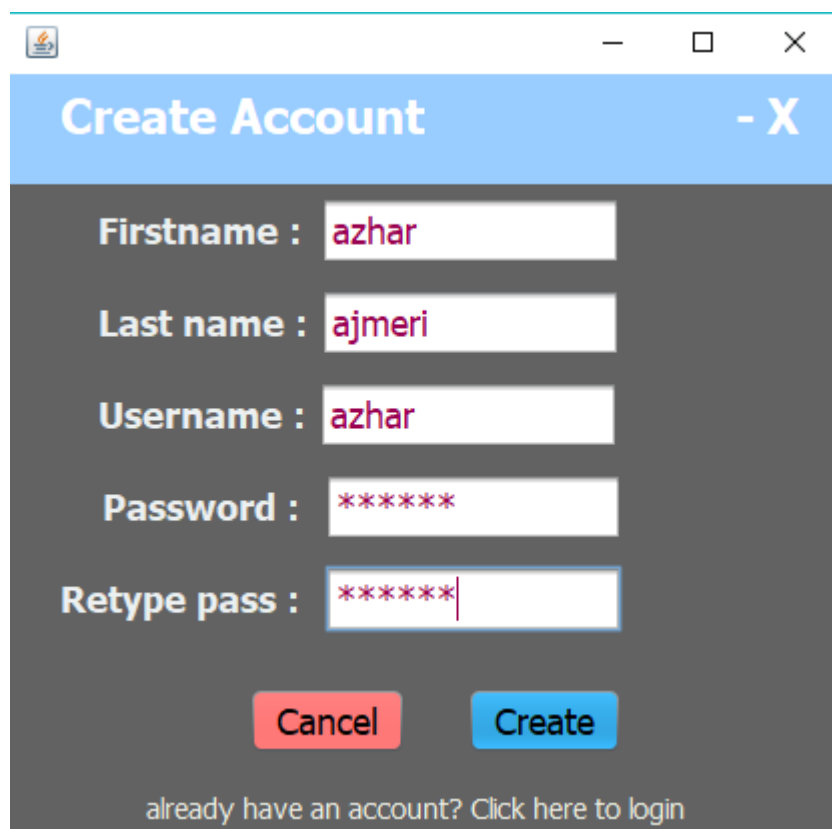
-----
1. Display your Registration
-----
2. New Registration
-----
3. Delete Registration
-----
```

TICKET REGISTRATION SYSTEM



```
gnu@localhost:~/OOP Projects
File Edit View Search Terminal Help
-----
3. Delete Registration
-----
4.Exit
-----
1
-----
Name : Rahul
Registration_no : 1
Phone Number : 9876789995
Route : Airway
Route : DELHI TO MUMBAI - Fare: 2000, Total Fare: 2380
Travel Date : 23/8/2019
-----
1. Display your Registration
-----
2. New Registration
-----
3. Delete Registration
-----
4.Exit
-----
```

If you use JFrame with JDBC the output would be like below:



Create Account - X

Firstname : azhar

Last name : ajmeri

Username : azhar


Password : *****

Retype pass : *****

Cancel Create

already have an account? [Click here to login](#)

TICKET REGISTRATION SYSTEM

 - □ ×

New record - X


Username :

Password : ☐ Show password

Aircraft no. : [View Aircraft list](#)

Date(dd-mm-yy) :

[new user? Click here to create an account](#)
[already have an account? Click here to login](#)

 - □ ×

Login - X

Username :

Password : ☐ Show password

[new user? Click here to create an account](#) [New booking](#)

aircraft	origin	destination	date	deparature	arrival
A87	Mumbai	Kolkata	30-1-2019	4:35	22:25
A10	Ahmedabad	Mumbai	23-2-2019	7:15	21:15

TICKET REGISTRATION SYSTEM

REFERENCES:

- www.geekforgeeks.com
- www.youtube.com
- www.wikipedia.org

CONCLUSION:

Thus, we conclude that by using the registration system one can book ticket from anywhere and at any time, so the Ticket booking is much easier than regular registration. It is much easier to book, review, search and delete the records.