Source code -Movie Ticket Booking

Github link

https://github.com/ashwinbalaji44/Assignment.git

FrontDesk.java

package mtb;

import java.text.SimpleDateFormat;

import java.util.Arrays;

import java.util.Date;

import java.util.Random;

import java.util.Scanner;

public class FrontDesk {

public static void main(String[] args) {

//user name -password

String userpass[] = new String[]{"Virat","virAt@123","Dhoni","Dhoni123/","Rohit","rohit#13","Ricky","ricky789","Rhodes","rhodes456"};

System.out.println("-------TicketExpress-------");

Scanner sc =new Scanner(System.in);

System.out.println(" Welcome, Enter Username:");

String user= sc.next();

System.out.println("Enter Password:");

String pass= sc.next();

login(userpass,user,pass);

}

public static void login(String userpass[],String user, String pass)

{

int i=0;

while(i<10)

{

if(userpass[i].equals(user) && userpass[i+1].equals(pass))

{

Scanner sc =new Scanner(System.in);

System.out.println("Login successful");

System.out.println("Do you need change your password?(y/n)");

String yn= sc.next();

if(yn.equals("y")){

System.out.println("Enter old password:");

String old =sc.next();

if(old.equals(userpass[i+1])){

System.out.println("Enter new password:");

userpass[i+1]=sc.next();

System.out.println("Password saved");

WebLogin();

}

else

System.out.println("Invalid old password");break;

}

WebLogin(); //Logging Into the Website if Username and Password are correct

break;

}

else if(userpass[i].equals(user)){

System.out.println("Invalid Password\n");

break;

}

else{

if(i==userpass.length-2){

System.out.println("User not logged in. Create a account");

break;

}

}

i=i+2;

}

}

static void WebLogin()

{

System.out.println("Enter the timing for the movie(1/2/3): \n1. 11:00AM\n2. 2:00PM\n3. 6:00PM");

Scanner sc =new Scanner(System.in);

int time = sc.nextInt();

switch(time){

case 1: bookticket(time); break;

case 2: bookticket(time); break;

case 3: bookticket(time); break;

default:System.out.println("Enter Valid show number:");

}

}

static void bookticket(int time){

System.out.println("Enter the number of seats: ");

Scanner sc =new Scanner(System.in);

int size = sc.nextInt();

int seats[] =new int[size];

int B[] =new int[150];

Arrays.fill(B, 0);

//Displaying the seats available

System.out.println("Seats Available:");

for(int j=0;j<150;j++){

if(j%10==0 && j!=0)

System.out.print("\n");

System.out.print(B[j]+" ");

}

System.out.println("\n-------------------\n Screen This Way");

//Entering Seat number

for(int k=0;k<size;k++){

System.out.print("\nEnter Seat no(1-150):");

seats[k]=sc.nextInt()-1;

if(B[seats[k]]!=1)

B[seats[k]]=1;

else{

System.out.println("Select empty seat");

k--;

}

}

System.out.println("\nSeats selected:\n");

for(int j=0;j<150;j++) {

if(j%10==0 && j!=0)

System.out.print("\n");

System.out.print(B[j]+" ");

}

System.out.println("\n===================\n Screen This Way\n");

int ticket = 150\*size;

System.out.println("Ticket for "+size+" members are: Rs."+ticket+"/-\nEnter ticket amount displayed for payment:");

while(true){

int returnticket =sc.nextInt();

if(ticket==returnticket){

System.out.println("Payment Received");

break;

}

else

System.out.println("Payment not valid, Please Pay again");

}

System.out.println("Displaying Ticket\n");

bill(size,ticket,seats,time);

}

static void bill(int size, int ticket, int[] seats,int time) {

System.out.println(" TicketExpress"

+ "\n Bill"

+ "\n===================\n=================== "

+"\n No. of seats: "+size+"\n Ticket Amount= "+size+"\*150 = "+ticket );

for(int i=0;i<size;i++)

{System.out.println(" Seat Number: "+(seats[i]+1));}

if(time==1)

System.out.println(" Show timing: 11:00 AM");

else if(time==2)

System.out.println(" Show timing: 2:00 PM");

else

System.out.println(" Show timing: 6:00 PM");

String txnid=getRandomNumberString();

System.out.println(" Transaction ID: "+txnid);

SimpleDateFormat formatter = new SimpleDateFormat("dd/MM/yyyy HH:mm:ss");

Date date = new Date();

System.out.println(" Generated at: "+formatter.format(date));

}

static String getRandomNumberString() {

Random rnd = new Random();

long number = rnd.nextInt(999999999);

return String.format("%09d", number);

}

}

Name: B.Ashwin

ID: 2528736