

Technology fest

EventManager class:

```
import java.util.List;

public class EventManagement implements Runnable {

    private List<Participant> TechList;
    private String searchEvent;
    private int counter=0;

    public List<Participant> getTechList()
    {
        return TechList;
    }

    public void setTechList(List<Participant> techList)
    {
        TechList = techList;
    }

    public String getSearchEvent()
    {
        return searchEvent;
    }

    public void setSearchEvent(String searchEvent)
    {
        this.searchEvent = searchEvent;
    }

    public int getCounter()
    {
        return counter;
    }

    public void setCounter(int counter)
    {
```

```

        this.counter = counter;
    }

    public void calculateRegistrationFee(List<Participant> list) throws InvalidEventException
    {
        for(Participant p:list)
        {
            if(p.getEventName().equalsIgnoreCase("robocar")) {
                p.setRegistrationFee(1000);
            }
            else if(p.getEventName().equalsIgnoreCase("papertalk")) {
                p.setRegistrationFee(500);
            }
            else if(p.getEventName().equalsIgnoreCase("quiz")) {
                p.setRegistrationFee(300);
            }
            else if(p.getEventName().equalsIgnoreCase("games")) {
                p.setRegistrationFee(100);
            }
            else {
                throw new InvalidEventException("Event Name is invalid");
            }
        }
        setTechList(list);
    }

    public void run()
    {
        String str="robocarpapertalkquizgames";
        if(str.contains(this.getSearchEvent())) {
            for(Participant P:this.getTechList()) {
                if(this.getSearchEvent().equals(P.getEventName())) {
                    counter++;
                }
            }
        }
    }
}

```

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        }
    }
    setCounter(counter);
}
}

```

InvalidException class:

```

public class InvalidEventException extends Exception {
    public InvalidEventException(String str) {
        super(str);
    }
}

```

Main class:

```

import java.util.Scanner;

public class Main {
    public static void main(String args[])
    {
        new SkeletonValidator();
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number of entries");
        int n = sc.nextInt();

        System.out.println("Enter the Participant
Name/Yearofstudy/Department/CollegeName/EventName");

        List<Participant> list = new ArrayList<Participant>();
        String strlist[] = new String[n];
        for(int i=0; i<n; i++)
        {
            strlist[i]=sc.nextLine();

```

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        String a[] = strlist[i].split("/");
        Participant pt = new Participant(a[0],a[1],a[2],a[3],a[4]);
        list.add(pt);
    }
    EventManagement em=new EventManagement();
    try
    {
        em.calculateRegistrationFee(list);
    }
    catch(InvalidEventException e)
    {
        e.printStackTrace();
    }
    System.out.println("Print participant details");
    for(Participant p:list)
    {
        System.out.println(p);
    }
    System.out.println("Enter the event to search");
    String srch=sc.nextLine();
    em.setSearchEvent(srch);
    em.run();
    int count=em.getCounter();
    if(count<=0) {
        System.out.println("No participant found");
    }
    else {
        System.out.println("Number of participants for "+srch+" event is "+count);
    }
}
}

```