



Integrants:

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Subject: OOP

Potential Objects and Classes

According to the project domain, we have determined the following Objects and

Classes:

✓ Object

✗ Class

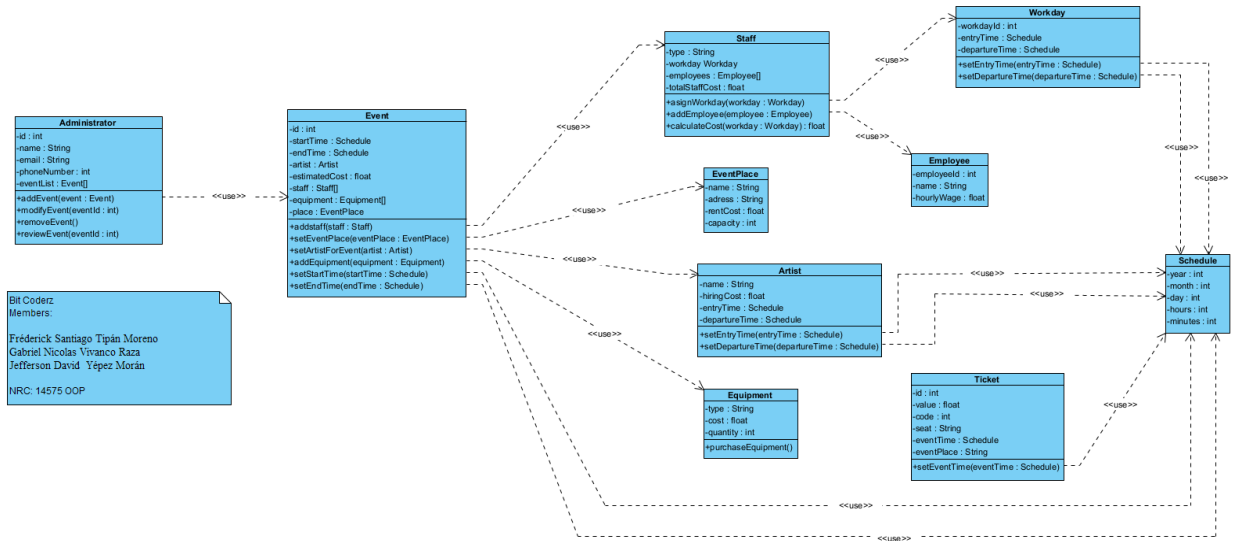
■ Neither

| NAME | TYPE |
|------------------|------|
| Event | ✗ |
| Place | ✗ |
| Ticket | ✗ |
| Lightning | ✓ |
| Equipment | ✗ |
| Budget | ■ |
| Employee | ✗ |
| Inflatable games | ✓ |
| Guests | ✓ |
| Report | ✓ |
| Administrator | ✗ |
| Reservation | ✓ |



| | |
|---------------|---|
| Invitation | ✓ |
| Sponsor | ■ |
| Transport | ■ |
| Schedule | ✗ |
| Photos | ✓ |
| Internet | ■ |
| Stage | ✓ |
| Furniture | ✓ |
| Artist | ✗ |
| First Aid Kit | ✓ |
| Signaling | ✓ |
| Experience | ■ |
| Staff | ✗ |
| Security | ✓ |
| Permissions | ✓ |
| Workday | ✗ |
| Snacks seller | ✓ |
| Decorations | ✓ |

UML DIAGRAM



Bit Coderz
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NRC: 14575 OOP

```
Administrator.java
1 public class Administrator{
2     private int id;
3     private String name;
4     private String email;
5     private int phoneNumber;
6
7     public void addEvent(Event event);
8     public void modifyEvent(int eventId);
9     public void removeEvent();
10    public void reviewEvent(int eventId);
11 }
```

```
J Event.java
1 public class Event{
2     private int id;
3     private Schedule startTime;
4     private Schedule endTime;
5     private Artist artist;
6     private float estimatedCost;
7     private Staff[] staff;
8     private Equipment[] equipment;
9     private EventPlace place;
10
11    public void addStaff(Staff staff);
12    public void setEventPlace(EventPlace eventPlace);
13    public void setArtistForEvent(Artist artist);
14    public void addEquipment(Equipment equipment);
15    public void setStartTime(Schedule startTime);
16    public void setEndTime(Schedule endTime);
17 }
18
```

```
J Workday.java
1 public class Workday{
2     private int workdayId;
3     private Schedule entryTime;
4     private Schedule departureTime;
5
6     public void setEntryTime(Schedule entryTime);
7     public void setDepartureTime(Schedule departureTime);
8 }
```

```
J Ticket.java
1 public class Ticket{
2     private int id;
3     private float value;
4     private int code;
5     private String seat;
6     private Schedule eventTime;
7     private String eventPlace;
8
9     public void setEventTime(Schedule eventTime);
10 }
```

```
J Schedule.java
1 public class Schedule{
2     private int year;
3     private int month;
4     private int day;
5     private int hours;
6     private int minutes;
7 }
```

```
Artist.java
1 public class Artist {
2
3     private String name;
4     private float hiringCost;
5     private Schedule entryTime;
6     private Schedule departureTime;
7
8     public void setEntryTime(Schedule entryTime);
9     public void setDepartureTime(Schedule departureTime);
10 }
11
```

```
1 public class Employee {
2
3     private int employeeId;
4     private String name;
5     private float hourlyWage;
6 }
```

```
Staff.java
1 public class Staff {
2
3     private String type;
4     private Workday workday;
5     private Employee[] employees;
6     private float totalStaffCost;
7
8     public void assignWorkday(Workday workday);
9     public void addEmployee(Employee employee);
10    public float calculateCost(Workday workday);
11 }
```



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```
EventPlace.java
1 public class EventPlace {
2
3     private String name;
4     private String address;
5     private float rentCost;
6     private int capacity;
7 }
```

```
1 public class Equipment {
2
3     private String type;
4     private float cost;
5     private int quantity;
6
7     public void purchaseEquipment();
8 }
```

Links: [Google Docs Link](#) [Github Repository](#)