Name: Naveenraj Karthikeyan   **Emp ID:** 11958

Junit Test Case:

EventManagementSystemTests.java

```java
package com.ems;

import static org.junit.Assert.assertEquals;
import static org.testng.Assert.assertEquals;

import java.util.ArrayList;
import java.util.List;

import org.junit.jupiter.api.Order;
import org.junit.jupiter.api.Test;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.boot.test.context.SpringBootTest;

import com.ems.bean.Event;
import com.ems.bean.Participant;
import com.ems.bean.Response;
import com.ems.bean.User;
import com.ems.service.EventService;
import com.ems.service.LoginService;
import com.ems.service.ParticipantService;
import com.ems.service.RegisterService;

import net.bytebuddy.dynamic.TypeResolutionStrategy.Passive;

@SpringBootTest
class EventManagementSystemApplicationTests {

        @Autowired
        EventService service;
        String insert;
        String update;
        String delete;
        boolean result;
        boolean result1;
        List<Event> list = new ArrayList<>();
        List<Event> list1 = new ArrayList<>();
        Event event = new Event(201, "Jenish Conference", "Business", "25.02.2024", "10.00
AM", "Chennai",
                        "jenish@gmail.com");
```

```java
        Event event1 = new Event(202, "Sandy Birthday", "General", "26.02.2024", "06.00 PM",
"Banglore", "sandy@gmail.com");
        Event event2;
        Event event3;

        @Test
        @Order(1)
        public void testPerformEventInsert() {
                insert = "Inserted";
                result = service.insertEvent(event);
                assertEquals(true, result);
        }

        @Test
        @Order(2)
        public void testPerformEventUpdate() {
                update = "Updated";
                result = service.insertEvent(event1);
                assertEquals(true, result);
        }

        @Test
        @Order(3)
        public void testPerformEventDelete() {
                delete = "Deleted";
                result = service.deleteEvent(202);
                result1 = service.deleteEvent(301);
                assertEquals(true, result);
        }

        @Test
        @Order(4)
        public void testEventGetAll() {
                list = service.getAll();
                Event event2 = new Event(203, "Barath Conference", "Business", "25.02.2024",
"10.00 AM", "Chennai",
                                "barath@gmail.com");
                Event event3 = new Event(204, "Arun Birthday", "General", "26.02.2024", "06.00
PM", "Banglore",
                                "arun@gmail.com");
                list1.add(event2);
                list1.add(event3);
                list.equals(list1);
        }
```

```java
    @Autowired
    ParticipantService service1;
    String insertParticipant;
    String updateParticipant;
    String deleteParticipant;
    boolean resultParticipant;
    boolean result1Participant;
    List<Participant> listParticipant = new ArrayList<>();
    List<Participant> list1Participant = new ArrayList<>();
    Participant participant = new Participant("arun@gmail.com", "Jenish Conference",
"Yes");
    Participant participant1 = new Participant("valan@gmail.com", "Arasu product launch",
"Yes");
    Participant participant2;
    Participant participant3;

    @Test
    @Order(5)
    public void testPerformParticipantInsert() {
        insertParticipant = "Inserted";
        resultParticipant = service1.insertParticipant(participant);
        assertEquals(true, resultParticipant);
    }

    @Test
    @Order(6)
    public void testPerformParticipantUpdate() {
        updateParticipant = "Updated";
        resultParticipant = service1.insertParticipant(participant1);
        assertEquals(true, resultParticipant);
    }

    @Test
    @Order(7)
    public void testPerformParticipantDelete() {
        deleteParticipant = "Deleted";
        resultParticipant = service1.deleteParticipant("valan@gmail.com");
        result1Participant = service1.deleteParticipant("naveen@gmail.com");
        assertEquals(true, resultParticipant);
    }
```

```java
        @Test
        @Order(8)
        public void testParticipateGetAll() {
                listParticipant = service1.getAll();
                Participant participant2 = new Participant("naveen@gmail.com", "Naveen
Conference", "Yes");
                Participant participant3 = new Participant("jenish@gmail.com", "Naveen
Birthday", "No");
                list1Participant.add(participant2);
                list1Participant.add(participant3);
                listParticipant.equals(list1Participant);
        }

        @Autowired
        LoginService loginservice;

        @Autowired
        RegisterService registerservice;

        boolean res;
        boolean val;
        User log = new User(2, "naveen@gmail.com", "user", "345");

        @Test
        @Order(9)
        void performLogin() {
                Response res1 = new Response("User Success");
                Response res = loginservice.login(log);
                res1.equals(res);
        }

        @Test
        @Order(10)
        void performRegister() {
                val = true;
                res = registerservice.register(log);
                assertEquals(val, res);
        }

}
```

Output:

Finished after 6.667 seconds

Runs: 10/10   ⊠ Errors: 0   ⊠ Failures: 0

⌄ 🔳 EventManagementSystemApplicationTests [Runner: JUnit 5] (1.07
   ⬛ testPerformEventUpdate() (0.811 s)
   ⬛ testEventGetAll() (0.130 s)
   ⬛ testParticipateGetAll() (0.009 s)
   ⬛ performRegister() (0.009 s)
   ⬛ testPerformParticipantDelete() (0.002 s)
   ⬛ testPerformParticipantInsert() (0.008 s)
   ⬛ testPerformParticipantUpdate() (0.006 s)
   ⬛ performLogin() (0.061 s)
   ⬛ testPerformEventDelete() (0.019 s)
   ⬛ testPerformEventInsert() (0.007 s)