UNIT TESTS

```javascript
const request = require('supertest');
const app = require('../app'); // Assuming Express.js setup
const db = require('../db'); // Database connection

describe('User Authentication', () => {
    test('User can register successfully', async () => {
        const res = await request(app).post('/api/auth/register').send({
            username: 'testuser',
            email: 'test@example.com',
            password: 'SecurePass123'
        });
        expect(res.statusCode).toBe(201);
        expect(res.body).toHaveProperty('token');
    });

    test('User can log in with correct credentials', async () => {
        const res = await request(app).post('/api/auth/login').send({
            email: 'test@example.com',
            password: 'SecurePass123'
        });
        expect(res.statusCode).toBe(200);
        expect(res.body).toHaveProperty('token');
    });
});

describe('Event Management', () => {
    let authToken;

    beforeAll(async () => {
        const res = await request(app).post('/api/auth/login').send({
            email: 'test@example.com',
            password: 'SecurePass123'
        });
        authToken = res.body.token;
    });

    test('User can create an event', async () => {
        const res = await request(app)
            .post('/api/events')
            .set('Authorization', `Bearer ${authToken}`)
            .send({
                title: 'Tech Meetup',
                description: 'A meetup for tech enthusiasts',
                location: { lat: -1.970579, lon: 30.104429 },
```

```
          start_time: '2025-06-01T10:00:00Z',
          end_time: '2025-06-01T12:00:00Z'
       });
     expect(res.statusCode).toBe(201);
     expect(res.body).toHaveProperty('id');
   });
});
```