

1. Testing

Unit Tests: Mock service dependencies and validate business logic.

Integration Tests: Use supertest to test API endpoints:

```
import * as request from 'supertest';
import { Test, TestingModule } from '@nestjs/testing';

describe('UserPreferences', () => {
  let app;

  beforeAll(async () => {
    const moduleFixture: TestingModule = await Test.createTestingModule({
      imports: [AppModule],
    }).compile();

    app = moduleFixture.createNestApplication();
    await app.init();
  });

  it('/POST preferences (success)', async () => {
    return request(app.getHttpServer())
      .post('/preferences')
      .send({ userId: '123', email: 'test@example.com', ... })
      .expect(201);
  });
});
```