

Project Analysis Document

1. Project Overview

Project Name: [Enter Project Name]

Description:

Provide a brief summary of the project, its purpose, and intended users.

2. Functional Requirements

List the core functionalities of the project, such as:

- User authentication (Login/Signup)
- Dashboard with key metrics
- CRUD operations on main entities (e.g., products, users, orders)
- Payment processing (if applicable)
- API integrations

3. Non-Functional Requirements

Mention performance, security, and scalability requirements:

- System should handle 1000 concurrent users.
- Data should be encrypted at rest and in transit.
- Response time should be less than 500ms.

4. Use Cases & User Flow

Describe different scenarios in which the system will be used, such as:

1. User registers and logs in.
2. User searches for a product/service.
3. User makes a transaction.

5. Technology Stack

Specify frontend, backend, database, and third-party services:

- Frontend: React.js / Angular
- Backend: Node.js / Django / Spring Boot
- Database: PostgreSQL / MongoDB
- Cloud: AWS / Firebase

6. Test Case Guidelines

Key areas to test include:

- Functional Testing (Verifying UI and API responses)
- Security Testing (Authentication & Authorization checks)
- Performance Testing (Load and stress testing)
- Usability Testing (User experience evaluation)

7. Expected Outcomes

Define the success criteria for the project and what an ideal outcome looks like.