

Test Plan Document

Cover Page

Project: Template

Version: 1.0

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Date: [Insert Date]

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1. Objective

The objective of this Test Plan is to validate the quality, functionality, and reliability of the application through Automation, manual and API Testing, ensuring the system meets the defined requirements and performs as expected.

2. Scope

Testing activities include: Functional Testing, Data Validation, Error Handling, Performance Testing, Security Testing, Integration Testing, Compatibility Testing, Load and Regression Testing, Edge Case and Concurrency Testing, Usability and CI/CD Pipeline Testing, Monitoring, Backup and Recovery Testing, Internationalization, Rate Limiting Testing, and Third-Party Integration Testing.

3. Inclusions

CRUD Operations (Create, Read, Update, Delete) testing, Authentication/Authorization, Error Handling, Security, Performance, Backup, Recovery, and Concurrency Testing.

4. Test Environments

Environment	URL
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QA	
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Pre-Prod	
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Supported Platforms/Browsers: Windows 10 (Chrome, Firefox, Edge), macOS (Safari), Android (Chrome), iPhone (Safari).

Connectivity: Wi-Fi, Wired Network.

5. Defect Reporting Procedure

Defects identified based on deviation from expected behavior.

Defects tracked via JIRA.

Ownership: Frontend (Devesh), Backend (Sonal), DevOps (Prajeeth).

Daily status reporting to management.

6. Test Strategy

Test Design Techniques: Equivalence Partitioning, Boundary Value Analysis, Decision Table, State Transition, Use Case Testing.

Execution: Smoke Testing → Functional Testing → Regression Testing → Exploratory Testing.

Best Practices: Context-Driven Testing, Shift Left Testing, End-to-End Flow Testing.

7. Test Schedule

Task	Dates
Test Plan Creation	Sprint 1
Test Case Development	Sprint 1
Test Execution	Sprint 2
Reporting & Closure	Sprint 2

8. Test Deliverables

- Test Plan Document
- Test Cases and Test Scenarios
- Defect Reports
- Test Execution Summary
- Test Closure Report

9. Entry and Exit Criteria

Requirement Analysis:

- Entry: Receipt of Requirements

- Exit: Requirements understood

Test Execution:

- Entry: Signed-off Test Cases; Stable build ready
- Exit: Test execution reports; Defect reports created

Test Closure:

- Entry: Completion of testing activities
- Exit: Final Test Summary and Closure Reports submitted

10. Tools

- JIRA – Defect Tracking
- Snipping Tool – Screenshots
- Word/Excel – Documentation

11. Risks and Mitigations

Risk	Mitigation
Non-availability of resources	Backup Resource Planning
Build URL inaccessible	Reassign tasks temporarily
Insufficient Testing Time	Dynamic Resource Ramp-up

12. Approvals

Client approvals required for:

- Test Plan
- Test Cases
- Test Reports

Testing proceeds only post-approval.