Test Strategy Template

# 1. Introduction

This Test Strategy document defines the overall testing approach for the project. It outlines the scope, objectives, methodologies, tools, and responsibilities to ensure the delivery of a high-quality product.

# 2. Objectives

- Define testing goals and scope  
- Ensure product meets business and technical requirements  
- Minimize risks through structured testing

# 3. Scope

The scope section details what will and will not be tested:  
In Scope:  
- Functional requirements  
- Non-functional requirements (performance, usability, security)  
  
Out of Scope:  
- Deprecated features  
- Third-party certified components

# 4. Testing Approach

The testing approach describes the overall methodology:  
- Manual Testing for exploratory and ad-hoc testing  
- Automation Testing for regression and repetitive tasks  
- Risk-based Testing to prioritize critical modules

# 5. Test Levels

- Unit Testing  
- Integration Testing  
- System Testing  
- User Acceptance Testing (UAT)

# 6. Tools & Environment

- Test Management: TestRail / JIRA  
- Automation: Selenium / Cypress  
- Performance: JMeter  
- Security: OWASP ZAP

# 7. Risk Analysis & Mitigation

Risks:  
- Delayed test environments  
- Limited test data  
- Resource unavailability  
  
Mitigation:  
- Use virtualized test environments  
- Prepare synthetic test data  
- Cross-train QA engineers

# 8. Communication Plan

- Daily stand-ups for progress tracking  
- Weekly status reports shared with stakeholders  
- Defect triage meetings twice a week

# 9. Exit Criteria

- All critical defects resolved  
- 95% test case execution completed  
- Sign-off from QA Manager and stakeholders

# 10. Approvals

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