

Software Testing Process

1) Test Planning

(Primary Role: Test Lead/Team Lead)

Input:/Reference:

- a) Requirements specification
- b) Test Strategy
- c) Project plan
- d) Use cases/design docs/Prototype screen
- e) Process Guidelines docs

Templates:

- Review Report
- Test Plan

Roles:

Test Lead/Team Lead: Test Planning

Test Engineers: Contribution to the Test plan

BA: Clarifications on Requirements

Tasks:

- a) Understanding & Analyzing the Requirements
- b) Test Strategy Implementation
- c) Test Estimations (Time, Resources-Environmental, Human, Budget)
- d) Risk Analysis
- f) Team formation
- g) Configuration management plan
- h) Test Plan Documentation
- i) Test Environment set-up defining

Output:

- Test Plan Document

Software Testing Process

2) Test design:

Input:/Reference:

- a) Requirements specification
- b) Test Plan
- d) Use cases/design docs/Prototype screen
- e) Process Guidelines docs

Templates:

- Test Scenarios
- Test case
- Test data

Roles:

Test Engineers: Test case documentation
Test Lead/Team Lead: Guidance, Monitoring & Control
BA: Clarifications on Requirements

Tasks:

- a) Creating Test scenarios
- b) Test case documentation
- c) Test data collection

Output:

- Test case Documents
- Test Data

Software Testing Process

3) Test Execution:

Input:/Reference:

- a) Requirements specification
- b) Test Plan
- c) Test Case docs
- d) Test data
- e) Test Environment

Templates:

- Defect Report
- Test Report

Roles:

Test engineers: Test execution

Test Lead: Guidance, monitoring & Control

BA: Clarifications on Requirements

System Administrator/Network Administration: Test Environment set-up

Tasks:

- a) Forming Test Batches
- b) Verifying Test Environment set-up
- c) Test Execution
- d) Test reporting
- e) Defect Reporting
- f) Regression Testing

Output:

- Test Reports
- Opened/Closed Defect Reports

Software Testing Process

4) Test Closure

Input:/Reference:

- Requirements
- Test Plan
- Test Reports
- Opened/Closed Defect Reports

Templates:

- Test Summary Report

Roles:

Test Lead: decide when to stop testing & Creating Test summary Report

Testers: Contribution

Tasks:

- a) Evaluating Exit criteria
- b) Collecting all facts from Testing activities
- c) Sending Test deliverables to the Customer
- d) Improvement suggestions for future projects

Output:

- Test Summary Report
- Test Deliverables (Test Plan, Test scenarios, Test cases, Test Data, Test Reports, Opened/Closed defect Reports, Test Summary Report)