

Quality Control Checklist for Software Testing

A **quality control checklist for software testing** ensures systematic verification of software functionality and performance. It helps identify bugs, maintain standards, and improve overall product reliability. Implementing this checklist enhances efficiency and reduces the risk of defects in the final release.

Checklist

1. Requirements Verification

- Have all functional and non-functional requirements been reviewed?
- Are requirements clear, complete, and testable?

2. Test Planning

- Is a detailed test plan documented and approved?
- Are test objectives and scope clearly defined?
- Have resources, roles, and responsibilities been assigned?

3. Test Case Preparation

- Have all test cases/scenarios been created for each requirement?
- Are test cases reviewed and peer-checked?
- Do test cases include expected outcomes?

4. Test Environment Setup

- Is the test environment configured according to specifications?
- Have necessary test data been generated and validated?
- Are required tools and access permissions available?

5. Test Execution

- Are all planned tests executed and outcomes recorded?
- Are defects logged with sufficient details for reproduction?
- Has regression testing been conducted after defect fixes?

6. Reporting & Metrics

- Are clear and comprehensive test reports available?
- Are key metrics (e.g., defect density, test coverage) tracked and analyzed?
- Is there regular communication with stakeholders on testing status?

7. Closure Activities

- Have exit criteria for testing been met?
- Are lessons learned and best practices documented for future reference?
- Is a formal test closure report prepared and approved?

Signature

Tester: _____

Date: _____