



SQA TRAINING PLAN(outline)

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Version History:

Version	Revised By	Summary	Approval	Date

- 1. Introduction to SQA and Testing**
- 2. What is QA and QC**
- 3. Typical Objectives of Testing(What we have to achieve in QA)**
- 4. Testing and Debugging**
- 5. Defects, Root Causes and Effects**
- 6. Seven Testing Principles**
- 7. The Psychology of Testing**
- 8. Human Psychology and Testing**
- 9. Tester's and Developer's Mindsets**
- 10. QA Standards (IEEE and ISO)**
- 11. What is UI**
- 12. What is UX**
- 13. What's the difference between verification and validation?**
- 14. Test Activities and Tasks**
- 15. STLC and SDLC**
- 16. Static Testing and Dynamic Testing**
- 17. Testing Techniques**
- 18. Alpha Testing and Beta Testing**
- 19. Requirement Analysis**
- 20. Design Analysis**
- 21. SQA Documentation**
- 22. Test Planning and Estimation**
- 23. Test Cases and Test Scenarios**
- 24. Rules for TestCases**
- 25. Bug Leakage and Bug Release**
- 26. Problem Severity Classification**

27. Bug Prioritization

28. Tools and defect Tracking

29. Backend and API Testing

Separate Plan

30. Database Testing

Separate Plan

31. Automation Testing

Separate Plan

32. Continuous Integration/Continuous Development(CI/CD)

Separate Plan

33. Types and Levels of Testing

- Unit tests. Unit tests are very low level and close to the source of an application. ...
- Integration Testing
- Functional Testing
- Exploratory testing
- Positive Testing
- Reliability Testing
- Monkey Testing
- Usability Testing
- Compatibility Testing
- Negative Testing
- Synaity Testing
- Regression Testing
- End-to-end Testing
- Acceptance testing.
- Smoke Testing
- Beta Testing

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34. Performance Testing

Load Testing

Stress Testing

Volume Testing

Separate Plan

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35. Security Testing

System software security

Network security

Server-side application security

Client-side application security

Hacking attacks

Gateway Security

API Security

App reverse engineering

Separate Plan

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36. Artificial Intelligence Testing
