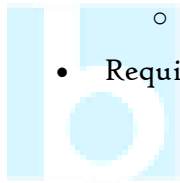


Manual Testing Course Syllabus

- Introduction to testing
- Verification vs validation
- Types of Applications
- Probabilities of getting an error in an application
- SDLC – Software Development Life Cycle
 - Waterfall
 - Prototype
 - Spiral
 - Incremental (Agile methodology and Scrum Framework)
 - V-Model
- Advantages and Disadvantages of each software development life cycle
- Principles of Testing
- STLC – Software Testing Life Cycle
- Difference between Test case, Use case and Scenario.
- How to prepare test plan and strategy
- How to prepare a test case template?
- Difference between Error, bug, defect, and failure
- Test Case Design Technique
 - Boundary Value Analysis
 - Equivalence Partitioning
 - Decision Table
 - State Transition Diagram
 - Use Case Testing
- Bug Life cycle
- How to Prepare the Bug template?
- Bug Tracking tool
- Types of Testing
- Difference between Static and Dynamic testing

- Difference between Functional and Non-functional testing
- Black box testing and its types
- White box testing and its types
- System Integration Testing vs User Acceptance Testing
- Entry Criteria and Exit Criteria
- Test Environment and Test data preparation
- Flow graph notations
 - Statement coverage
 - Branch Coverage
 - path coverage
 - Cyclometric Complexity
- Integration testing
 - Big Bang Integration
 - Incremental Approach – Top-Down, Bottom-up, and Hybrid
- Requirement traceability matrix



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