

MANUAL TESTING WITH PROJECT

Module 1 - Manual Testing Theory

Chapter 1: Introduction of Software Testing

What is Software?

Types of Software

What is Software Testing?

What is a Quality of a Software?

Importance of Software Testing

Why Software has bugs?

Testing Roles in Company

Testing Team Responsibilities

What is a Functionality?

Types of Functionalities - Functional and Non Functional

What is a Defect, Error, Failure, Fault and Bug?

Software Company Architecture

Chapter 2 -Software Development Life Cycle with Models

1. SDLC
2. Waterfall model
3. Spiral model
4. Prototype model
5. Rapid Model
6. Iterative and Incremental Model
7. V-Model
8. Agile Model

Chapter 3 - Software Testing Techniques

⇒ **White Box Testing**

What is white box testing?
White box testing techniques
Static testing Structural Testing

⇒ **Black Box Testing**

What is Black Box Testing?
Why Black Box Testing?
When to do Black Box Testing?
Black Box Testing Techniques
 Requirement Based Testing
 Positive and negative Testing
 Boundary Value Analysis
 Equivalence class partitioning
 Decision Tables testing
 State Based or Graph Based Testing

⇒ **Gray Box Testing**

Chapter 4 - Levels of Software Testing

Unit Testing

What is Unit Testing? Examples of Unit Testing
Who will perform Unit Testing in Companies?

Integration Testing

What is Integration Testing? Integration Testing Types
Examples of Integration Testing
Who will perform Integration Testing in Companies?

System Testing

What is System Testing?
Examples of System Testing
Who will perform system testing in Companies?

Usability Testing

What is Usability Testing?
Types of Usability Testing

Functional Testing

What is Functional Testing?
Types of Functional Testing

Performance Testing

What is Performance Testing?
Types of performance Testing
Stress and Load testing

Security Testing

What is Security Testing?

Types of Security Testing

User Acceptance Testing

What is UAT?

Types of UAT

What is Alpha and Beta Testing

Chapter 5 - Software Testing Terminology / Definitions

What is Sanity, BVT, and TAT testing?

What is Smoke testing?

What is Re-Testing?

What is Regression Testing?

What is Exploratory Testing?

What is Browser Compatibility Testing?

What is Inter System Testing?

What is Installation Testing?

What is Adhoc/Random Testing?

What is Webservice Testing?

What is Performance Testing?

What is Database Testing?

Module 2 - Manual Testing with Project - STLC

Chapter 1: Introduction about project

Chapter 2: Software Testing Life Cycle

What is STLC?

Phases of STLC

Test Initiation phase

What is Test Initiation?

Understanding project requirements with live show
Understanding UI Spec, FR Spec Documents

QA Responsibilities in Test Initiation phase

Test Planning Phase

What is a Test Plan?

Types of Test plan

Who will prepare Test plan documents?

Preparing a Test plan documents

QA Responsibilities in Test Plan phase

Test Design Phase

What is a Use Case?

What is a Test Scenario?

What is RTM and prepare RTM document

Preparing Test Scenarios

What is a Test Case?

Preparing Test case Template

Types of Test cases

Test Case design techniques

Designing test cases

Test Case Status

Test Cases Review

QA Responsibilities in Test Design phase

Test Execution

What is a Build?

What is a Cycle execution?

How QA receives build from Developer

What is Test Case execution

When do we start test case execution?

Defect Reporting and Tracking

What is a defect?

Creating Defects

Defect Report Template

What is Defect Severity?

What is Defect Priority?

What is Defect Age?

What is RCA – Root Cause Analysis

What is Defect Triage

Defect Status Cycles

Defect Life Cycle

Result Analysis

Test Closure

INCLUDING TRAINING:

1. Resume Preparation
2. Interview Questions
3. Mock Interviews
4. One Bank Project
5. Placement Assistance