



Software Testing - Manual Testing – course syllabus

1) Software Testing Introduction

- > What is Software testing?
- > Importance of Software testing
- > How to conduct Software testing.
- > Basic terminology of Software testing
- > Manual Testing Process
- > Difference between Manual and Automated Testing
- > Software testing Roles and Responsibilities

2) Software Development Life Cycle and various SDLC Models

Phases of Software Development Life Cycle

- i) Requirements Phase.
- ii) Analysis Phase.
- iii) Design phase.
- iv) Coding Phase.
- v) Testing phase.
- vi) Release and Maintenance Phase.

Software Development Life Cycle Models

- i) Waterfall Model.
- ii) V Model
- iii) Agile Model.
- iv) Prototype Model.
- v) Spiral Model.
- Etc...

Static Techniques:

- i) Informal Reviews
- ii) Walkthroughs
- iii) Technical Reviews
- iv) Inspection

Dynamic Techniques:

a) Black-box Test Techniques

- i) Equivalence Partitioning
- ii) Boundary Value Analysis
- iii) Decision Table Testing
- iv) State Transition Testing
- v) Use Case Testing

b) White-box Test Techniques

- i) Statement Coverage Testing
- ii) Branch Coverage Testing
- iii) Path Coverage Testing
- iv) Conditional Coverage Testing

v Loop Coverage Testing
Etc...

c) Experience-based Test Techniques

- i) Error Guessing
- ii) Exploratory Testing
- iii) Checklist-based Testing

4) Levels and Types of Software Testing

Four Levels of Testing

- i) Unit Testing
- ii) Integration Testing
- iii) System Testing
- iv) Acceptance Testing

Types of Testing

i) Functional Testing

Unit Testing
Integration Testing
System Testing
User Acceptance Testing.
Sanity/Smoke Testing.
Re & Regression Testing.
etc...

Note:

Functional Testing is a Test type, and Unit Testing, Integration Testing, System Testing and Acceptance Testing are the Test levels.

Functional Testing is conducted in all Test Levels (Unit, Integration, System, and Acceptance Testing)

Sanity and Smoke Testing are Test Execution levels of Functional Testing

Retesting and Regression are for Change related Testing.

ii) Non Functional Testing

Uplatz

training.uplatz.com

Training Provider for IT and Certification Courses

Performance Testing. (Load, Stress, Spike and Endurance Testing)

Usability Testing

Compatibility Testing

Reliability Testing

Security Testing

Cookies Testing

Session Testing

Recovery Testing

Installation Testing

Adhoc Testing.

Risk Based Testing.

I18N Testing.

L10N Testing.

Compliance Testing.

Etc...

<https://training.uplatz.com>

info@uplatz.com

+44 7836 212635