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Manual Testing Course Syllabus

Chapter 1:

- Introduction to Software Testing

  - What is Software Testing

    - Why Software Testing is needed
    - What is Quality
    - Testing Principles
    - Testing Techniques
    - When to Stop Testing

Chapter 2:

- Software Development Life Cycle

  - Requirements Phase
  - Analysis Phase
  - Design Phase
  - Coding Phase
  - Testing Phase
  - Release and Maintenance Phase

Chapter 3:

- Software Testing Life Cycle

  - Test Strategy
  - Test Plan
  - Test Development
    - Test Cases Preparation

    - Test Case Design

- Test Design Techniques
  - Boundary Value Analysis (BVA)
  - Equivalence Class Partitioning (ECP)
  - Decision Table Testing
  - State Transition Testing

- Test Execution
  - Execution Process
  - End to End Scenarios Execution
- Result Analysis

Chapter 4:

- Other Types of Testing
  - Build Verification Testing
  - Installation Testing
  - Compatibility Testing
  - Monkey Testing
  - Adhoc Testing
  - Smoke Testing
  - Sanity Testing
  - Security Testing
  - Usability Testing
- Verification and Validation
  - Quality Control
  - Quality Assurance

Chapter 5:

- Bug Tracking and Reporting
  - Types of Bugs
  - Bug Life Cycle
  - Bug Reporting
    - Severity
    - Priority

Chapter 6:

Software Testing Models

- Sequential Models
  - Waterfall Model
  - 'V' Model
- Incremental Models

- Prototype Model
- Spiral Model
- Agile Model

Chapter 7:

Test Levels

- Integration Testing
  - Top-Down Approach
  - Bottom- Up Approach
- System Testing
  - Functional System Testing
  - Non-Functional System Testing
    - Scalability Testing
    - Reliability Testing
    - Interoperability Testing
- Acceptance Testing
- Regression Testing
- Retesting
- Installation & Maintenance

Additionally, we will cover the Basics of SQL as it is highly recommended for a Manual Test Engineer.

Warm Regards

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