



## CLASS MODULE

### Manual Testing Theory

- **Introduction of Software Testing**

- 1.1. What is Testing? Why is testing necessary?
- 1.2. The Psychology of Testing and Tester.
- 1.3. Practical Example of Testing.
- 1.4. Software Development Life Cycle (SDLC).
- 1.5. Software Testing Life Cycle (STLC).
- 1.6. Waterfall Model and others development model.

### **2. General testing principles and Fundamental of Test Process**

- 2.1. Software Testing Principles.
- 2.2. Causes of Software Defects.
- 2.3. How Testing Improve the Quality.
- 2.4. How Much Testing is Enough?
- 2.5. Levels of Testing.
- 2.6. Testing & Debugging.
- 2.7. Fundamental test process.
- 2.8. What is Error, Defects, Issues and Failure.
- 2.9. Verification vs Validation.

### **3. Type of Testing**

- 4.1. White box, grey box & black box testing.
- 4.2. Functional Testing & Non-functional Testing.
- 4.3. Retesting & Regression Testing.
- 4.4. Smoke Testing & Sanity Testing.
- 4.5. Retesting & Regression Testing.
- 4.6. Acceptance Testing. Usability Testing, Beta Testing & Alpha Testing.
- 4.7. Unit Testing, Integration Testing, System Testing, Stress Testing, Performance Testing.
- 4.8. Boundary value analysis and Equivalent.



## Manual Testing Project

- Manual Testing Website Project
- Manual Testing App Project
- Manual Test Case Report Analysis

## Planning & Report

- Test Plan
- Test Strategy

## Functional Testing Project

- A real scenario based functional Testing Project

## API Testing

- API Structure Analysis
- Postman Software Analysis
- Method: GET, POST, PUT, PATCH, HEAD, DELETE
- API Project Analysis
- Creating report using Newman.

## Mobile Application Testing

- Mobile application testing introduction.
- Different types of mobile application to test.
- Key Factors in Mobile Testing
- Basic checklist for testing mobile applications.

## Management Tool

- Jira
- Clickup



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www.bugresistance.com



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## Load Testing

- Load Testing theoretical Analysis
- Load Testing using Jmeter
- Report Analysis
- Load Testing Project

## Database Testing

- Database theory
- Database Testing

## UI Testing

- Practical Project Analysis using Figma & a real website

## Automation Testing

- Automation Testing using Selenium

## CV Writing

- CV review for SQA

## Offline Interview

- Mock Interview in Dhaka (Offline)

