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CONSULTING

MANUAL SOFTWARE TESTING

CURRICULUM

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MANUAL TESTING SYLLABUS

Manual testing syllabus, software testing is an important phase of the software development life cycle, software testing can be done in two days, one is manual testing and another is automated testing or test automation.

Manual testing is the process in which requirements are analyzed and understood,test scenarios are derived, test cases are documentated,test cases are executed, and the defects are identified, isolated, subjected for justification, and ensure that the product is defect-free, in order to produce quality product.

MANUAL TESTING OBJECTIVES

- Understanding what is software testing?
- Understanding the software development process
- Understanding various software test types
- Understanding software test design techniques
- Understanding software test life cycle
- Understanding how to create & execute a test plan
- Understanding how to document test cases
- Understanding how to executes test cases and find defects
- Tracking defects ,confirmation testing, and closing the defects
- Documenting of the test reports and test enclosure activities

PREREQUISITES AND ELIGIBILITY TO LEARN MANUAL TESTING:

- Basic knowledge of computer operating
- Beginners who want to start their career in the software testing field
- Fresh Graduates, if you have passed out of college recently and looking for a job in QA/Testing field
- If you are interested in IT, but not interested in programming or find it difficult, then testing allows you to focus less on programming and more on analysis skill
- Non-IT professionals, if you are currently working in some other field,but interested in building a career in IT.

MODULE 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 & automated testing
- Software testing roles & responsibilities

MODULE 2: SOFTWARE DEVELOPMENT LIFE CYCLE

- Requirements phase
- Analysis phase
- Design phase
- Coding phase
- Testing phase
- Release and maintenance phase

MODULE 3 : TEST CASE DESIGN TECHNIQUES

STATIC TECHNIQUES:
- Informal reviews
- Walkthroughs
- Technical reviews
- Inspection

DYNAMIC TECHNIQUES:
(A) Black-box test techniques
- Equivalence partitioning
- Boundary value analysis
- Decision table testing
- State transition testing
- Use case testing

(B) White-box test techniques
- Statement coverage testing
- Branch coverage testing
- Path coverage testing
- Conditional coverage testing
- Loop coverage testing

(C) Experience-based test techniques
- Error guessing
- Exploratory testing
- Checklist -based testing

MODULE 4 : LEVELS & TYPES OF SOFTWARE TESTING

FOUR LEVELS OF TESTING:
- Unit testing
- Integration testing
- System testing
- Acceptance testing

TYPES OF TESTING:
I) Functional testing
- Unit testing
- Integration testing
- System testing
- User acceptance testing
- Sanity/smoke testing
  Re & regression testing

(B Non-functional testing
- Performance testing (load,stress,spike and
- endurance testing)
- Usability testing
- Compatibility testing
- Reliability testing
- Security testing
- Cookies testing
- Session testing
- Recovery testing
- Installation testing
- Risk-based testing
- Compliance testing
- Ad-hoc testing

MODULE 5 : SOFTWARE TESTING LIFE CYCLE

i) REQUIREMENTS ANALYSIS/DESIGN
- Understand the requirements
- Prepare traceability matrix

ii) TEST PLANNING

iii) TEST CASE DESIGN
- Derive test scenarios
- Document test cases
- Collect test data
- Review test cases

iv) TEST ENVIRONMENT SETUP

V) TEST EXECUTION
- Sanity testing - Initial build acceptance testing
- Comprehensive testing - executing all possible test cases
- Reporting and tracking defects
- Regression test cycle 1
- Sanity testing...
- Retesting regression testing
- Reporting and tracking defects
- Regression test cycle 2
- Sanity testing...
- Retesting regression testing
- Reporting and tracking defects
- Final regression

MODULE 6 : SOFTWARE TEST DOCUMENTS

1) Test policy
2) Test strategy
3) System test plan
4) Requirements traceability matrix
5) Test scenario
6) Test case
7) Test data
8) Test metrics
9) Defect Report

MODULE 7 : CAREER COACHING SERVICES

1) How to have a successful and amazing career in software testing
2) How to get freelancing gigs as a software tester
3) Global opportunities for Nigerians to relocate and work in the US,UK,CANADA and other western countries.
4) CV Revamp and Linkedin optimisation
5) Interview prep and coaching
6) How to get remote job roles as a software tester
7) Projects and building your portfolio

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THE PROGRAM

MODE: Online

PLATFORM: Zoom. whatsapp support group and google drive

TOTAL DURATION OF PROGRAM: 3 Months
(2 months of training and 1 month of projects and Career coaching)

DAYS OF CLASSES: Monday and Thursday

TIME OF CLASSES: 7:00PM to 9:00PM

Classes are live and access to replay of live classes is available.

THE PROGRAM FEE

50,000 Naira {Promo price)
100,000 Naira (Normal price)

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