DISHAA TRAINING CENTER- S/W TESTING SYLLABUS

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Software Testing

- Unit Testing(White box Testing)

- System & Functional Testing(Black Box Testing)

- Grey Box Testing

Software Testing

Introduction to Software Testing

Software testing

BRS/SRS

SDLC

- Waterfall
- Agile
- V model etc..

Software Testing

➢ **Black Box Testing (Functional and Non Functional)**

1. GUI Testing
2. Behavioural testing
3. Error handling message testing
4. Backend testing
5. Language Compatibility Testing
6. Cross browser testing
7. Sanitization testing
8. Installation testing

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Software Testing

Integration Testing

- Top Down Approach
- Bottom Up Approach
- Hybrid

1. Performance Testing

2. System integration Testing

3. Sanity Testing

4. Smoke Testing

5. Regression Testing

6. Retesting

7. User acceptance testing

- Alpha testing
- Beta testing

Software Testing

- **Testing Terminologies**

1. Ad-Hoc Testing
2. Exploratory Testing
3. Speed Testing

- **Test Documents Concepts**

1. Test policy
2. Test methodology
3. Test strategy
4. Test deliverables
5. Test plan
6. Test scenarios
7. Test case preparation
8. Software testing life cycle

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HPALM

Project Management tool(HPALM)

    How to Write test cases in ALM?

    How to execute test case?

    How to raise the defect?

    What is severity?

    What is priority?

    Traceability matrix

    Defects

Automation Testing

1: Introduction to Java

➢ Installation and Working with Java

➢ Understanding Java variables

➢ Understanding Java blocks

➢ Type casting, Generelization etc.

Automation Testing

2: Java Data Types

➤ Declaring and using Numeric data types:
int, float, Decimal, bool etc.

➤ Using string data type and string
operations

Automation Testing

3: Java Program Flow Control

➤ Conditional blocks using if, else and elseif

➤ Simple for loops in Java

➤ For loop using ranges, string, list and dictionaries

➤ Use of while loops in Java

➤ Loop manipulation using: pass, continue, break

➤ Programming using Java conditional and loops block

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Automation Testing

4: Fundamentals of Object orientation:

➤ Class, Object

➤ Constructor

➤ Types of Variables

➤ Methods and its types

➤ Importing Class

➤ OOP's Concepts: Inheritance, Encapsulation, Abstraction, Polymorphism

➤ File handling: text, Execel, csv

Automation Testing

- Selenium

- Appium

Database Testing

- ➤ **What is Data?**
- ➤ **What is Database?**
- ➤ DBMS VS RDBMS?
- ➤ Roles/Responsibilities
- ➤ Sql statements
  - I. DDL
  - II. DML
  - III. DCL
  - IV. TCL

Sql Operators

- ➤ Arithmetic
- ➤ Comparison
- ➤ Logical
- ➤ Set
- ➤ Like
- ➤ Concatenation

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Database Testing

SQl functions

- ➢ Aggregate
- ➢ Character
- ➢ Date
- ➢ Conversion

Sql clauses

- ➢ Where
- ➢ Group by
- ➢ Having
- ➢ Order by

Database Testing

Sql constraints
- ➤ Primary key
- ➤ Unique
- ➤ Check
- ➤ Not null
- ➤ Default
- ➤ Foreign key
- ➤ Composite key

Sql joins
- ➤ Inner join
- ➤ Left outer
- ➤ Right outer
- ➤ Full outer
- ➤ Equi join
- ➤ Non equi join
- ➤ Cross join
- ➤ Self join
- ➤ Multiple table joins

Tools

1. SQL Developer
2. **Eclipse**
3. HPALM
4. Putty
5. **Jira**

Web Service Testing

Web service testing

➢ API Testing Using Postman

➢ Soap UI

Unix

- Software
- Types of OS
- Introduction of Unix
- Architecture of Unix
- File Architecture of Unix

Basic Unix Commands
- Date
- Cal
- History
- Man
- Who
- Passwd
- Hostname
- Pwd

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Unix

Interview Questions on
Unix Commands

- Cat
- Less
- More
- Touch
- Wc
- Cp
- Mv

- Rm
- Mkdir
- Rmdir
- Cd
- Ls
- Head & Tail
- Grep
- Sed

- Find
- Locate
- Chmod
- Ftp
- SSH

Projects

- CRM
- Payment Domain
- Telecom Domain (CRM+OSS+Mediation+BSS)
- ETL-BI Project
- Logistic Domain
- Banking Domain
- Investment Bank Domain

Post Course Completion Operations

- ➤ Technical interviews + Hr interviews
- ➤ Resume building

Thank You !!

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