

Indus IT Training

QA Comprehensive Training Course Curriculum

Duration: Eight Weeks / Mon – Wed – Fri: 6.30pm 9.30pm/ Five Weekends / Sat & Sun: 9am – 1pm

Manual Testing

- ✚ **Software Development Life Cycle / Life Cycle Development**
- ✚ **Software Testing Methodologies (Agile and Waterfall)**
- ✚ **Functional & System testing**
 - ❖ Usability Testing
 - ❖ Functional Testing
 - ❖ Performance Testing
 - ❖ Security Testing
 - ❖ Recovery Testing
 - ❖ Compatibility Testing
 - ❖ Configuration Testing
 - ❖ Installation Testing
 - ❖ Parallel / Comparative Testing
 - ❖ Testing with boundary Values
 - ❖ Sanity testing
 - ❖ Regression Testing
- ✚ **Test Strategy and Test Methodology and Test Planning and Test Case Designing**
- ✚ **Integration Testing**
- ✚ **Test Automation**
- ✚ **Test Reporting**
- ✚ **Types of defects(Error, Defect & Bug)**
- ✚ **White box testing (Basic path coverage, Loops coverage &Mutation Testing)**
- ✚ **CASE STUDY for testing the client server application with designing of 50 test cases**

Location: 1033 Sterling Road, Ste. 204, Herndon-VA-20170. USA.
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Quick Test Professional

I) Introduction

- Test Automation
- Disadvantages of Manual Testing
- Advantages & Drawbacks of Test Automation
- Functional & Regression Testing Tools
- Basic Features of QTP & Installation process of QTP

HH) Quick Test Window / Key Elements of QTP

- Test Pane and Active Screen and Data Table, Debug viewer, Information pane
- QTP Tool bars, QTP Menu items / QTP commands, Tool Settings

III) Object Repository

- **Types of object in QTP**
 - Runtime Objects, Test Objects, Utility Objects, Automation Objects
- **Object Repository**
 - Local Repository & Shared Repository
- **Operations on Object Repository**
 - ✚ Adding Objects, Renaming Objects, Deleting Objects
 - ✚ Associating Object Repositories to an Action, Exporting Local Objects
 - ✚ Merging Repositories, View Options, Spying Objects

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IV) QTP Testing Process

- **Object Identification Configuration**
 - ❖ Normal Identification: Mandatory Properties, Assertive Properties
 - ❖ Smart Identification : Base filter Properties, Option filter properties
- **Generating the basic Test**
 - Recording : Normal Recording, Analog Recording, Low Level Recording, Record and Run Settings
- **Keyword driven methodology/Shared object repository method/Preparing the script manually**
- **Descriptive programming/Programmatic Descriptions**
 - ❖ Entering Programmatic Descriptions Directly into Statements
 - ❖ Using Description Objects for Programmatic Descriptions
 - ❖ Retrieving Child Objects
 - ❖ Using the Index Property in Programmatic Descriptions
- **Enhancing the Test**
 - **Inserting Check points**
 - ✚ Standard Checkpoint
 - ✚ Text Checkpoint
 - ✚ Text Area Checkpoint
 - ✚ Bitmap Checkpoint
 - ✚ Database Checkpoint
 - ✚ Accessibility Checkpoint
 - ✚ XML Checkpoint
 - ✚ Page Checkpoint
 - ✚ Image Checkpoint
 - ✚ Table Checkpoint

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- **Inserting Output values**
 - Standard Output value
 - Text Output value
 - Text Area Output value
 - Database Output value
 - XML Output value
- **Adding Comments**
- **Synchronization**
- **Parameterization**
 - Data Driven Testing through Loop statements
 - Dynamic Test Data Submission through Looping
 - Data Driven Testing through Data Table
 - Importing Test Data from External files
 - Creating a Database, Tables and Entering Data
 - Creating DSN
 - Importing Test Data from Databases
- **Inserting Programmatic statements**

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