Training: Micro Focus
UFT350 - Unified Functional Testing Advanced

TRAINING GOALS:

This course provides a comprehensive understanding of how to leverage and enhance the various features of Unified Functional Testing (UFT) by writing test scripts in the Editor. In this course, participants adopt principles frequently followed by developers as they design more sophisticated test scripts. By learning to manipulate dynamic objects and data, participants will be learn a skill set applicable for testing nearly any type of application.

Upon successful completion of this course, you should be able to:

- List the main components of the Editor
- List the main components of the Editor
- Identify when to use the Editor
- Retrieve and use the properties of an object
- Create programmatic descriptions
- Create tests that include VBScript
- Retrieve data from application objects
- Use the Data Table object to store run-time data and drive actions
- Create scripts that access data from external sources
- Create new subroutines and functions
- Use the Function Library editor
- Identify when to handle exceptions programmatically

Audience/Job Roles

This course is intended for:

- Users who are already familiar with the basics of UFT
- Users who have minimum of 10 months of working experience with the UFT GUI and UFT API tests.
- Quality assurance engineers who assume technical lead roles in the use of UFT applications

CONSPECT:

- Course Overview

Compendium Education Center Ltd.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Bielska 17, 02-394 Warszawa, tel.: (22) 417 41 70
BNP Paribas Bank Polska S.A.
EUR: PL 79 1600 1462 1853 6451 3000 0006
USD: PL 52 1600 1462 1853 6451 3000 0007

- Identify the contents and objectives of the course
- Define the class schedule and class logistics
- Identify the related courses
- Discuss the lab environment details.

- Introduction to the Editor
  - Identify the advantages of the Editor
  - Translate steps between the Keyword view and the Editor view
  - Explain how VBScript and objects are relevant to Unified Functional Testing (UFT)
  - List common test objects and methods used in UFT
- Using the Editor
  - Use the Step Generator to create new steps in your test
  - Enter steps manually in the Editor
  - Use statement completion (IntelliSense)
  - Trace and debug tests
- Using VBScript
  - Create constants and variables to hold important values
  - Format steps and create comments for clarity
  - Use operators to modify or compare values
  - Build conditional statements
  - Call built-in functions from the VBScript function library
- Working with Object Properties
  - Retrieve any property of any object in the application during a test run
  - Retrieve and set properties in the object repository
  - Use additional properties of the Reporter utility object
- Working with Dynamic Data
  - Retrieve useful properties from list-type objects
  - Describe the VBScript looping statements
  - Use additional methods to explore the Data Table
- Working with Dynamic Objects
  - Identify types of dynamic objects
  - Manage the dynamic properties of objects in the object repository
  - Build a programmatic description for an object
  - Create and use a Description object
  - Retrieve a collection of child objects from a parent object
- Retrieving External Data
  - Build scripts that access data from external sources

Compendium Education Center Ltd.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Bielska 17, 02-394 Warszawa, tel.: (22) 417 41 70
BNP Paribas Bank Polska S.A.
EUR: PL 79 1600 1462 1853 6451 3000 0006
USD: PL 52 1600 1462 1853 6451 3000 0007

- Import data from and export data to a Microsoft Excel worksheet
- Perform DataTable operations
- Use the Connection and RecordSet objects to query a database
- Import and export data to text files

- Handling GUI Testing Exceptions
  - Describe exceptions in a test
  - Describe how to handle exceptions with the test settings
  - Describe how to handle exceptions with Recovery Scenarios
  - Handle exceptions programmatically with VBScript
  - Handle positive and negative test data
- Creating New Procedures
  - Identify the advantages of creating a procedure in a test Create new subroutines and functions
  - Build a function library and associate it with a test
  - Register a procedure with an object class
  - Use a function as a recovery operation in a recovery scenario
- Integrating UFT with ALM
  - Integrate UFT with the Application Lifecycle Management (ALM) software
  - Connect to the ALM Server from UFT
  - Execute a UFT Test from ALM

REQUIREMENTS:

To be successful in this course, you should have the following prerequisites or knowledge:

- Have working knowledge of Windows, websites, and browsers,
- Understand the basics of UFT
- Have basic skills in programming or scripting
- Users who have min 8 months of working experience with UFT GUI and UFT API tests

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by Micro Focus (course completion).

It also prepare participants to ASP – UFT-120-125 – Unified Functional Testing v12.5.

Compendium Education Center Ltd.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Bielska 17, 02-394 Warszawa, tel.: (22) 417 41 70
BNP Paribas Bank Polska S.A.
EUR: PL 79 1600 1462 1853 6451 3000 0006
USD: PL 52 1600 1462 1853 6451 3000 0007

TRAINER:

Authorized Micro Focus Trainer.

Compendium Education Center Ltd.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Bielska 17, 02-394 Warszawa, tel.: (22) 417 41 70

BNP Paribas Bank Polska S.A.
EUR: PL 79 1600 1462 1853 6451 3000 0006
USD: PL 52 1600 1462 1853 6451 3000 0007