



## Course Data Sheet

### LNFT120 – LeanFT 14.x Essentials

Course No.: LNFT120-140	Category/Sub Category: Application Functional Testing/Unified Functional Testing-QTP
For software version(s): 14.0 Software version used in the labs: 14.0	Course length: Two days
Delivery formats: Instructor Led (ILT) and Virtual Instructor Led (VILT)	Training is available as a private session onsite.
To order visit: <a href="#">Software Education</a>	
Preview Video: <a href="https://youtu.be/RNLduCdtIIA">https://youtu.be/RNLduCdtIIA</a>	

### Course Description

This two-day course introduces students to LeanFT or UFT Pro. LeanFT, or Lean Functional Testing, is a small but powerful testing tool that enables Quality Assurance teams and Developers to develop test cases in a more integrated manner. If test cases can be developed directly in Visual Studio or Eclipse, applications can be tested despite not being fully developed and/or deployed for general Quality Assurance teams to use.

Day 1 focuses on introducing the product and the basic concepts of LeanFT test-script development using Visual Studio. Day 2 examines the integration with Eclipse, as well as building application models and data driving with Microsoft Excel.

### Audience/Job Roles

This course is designed for Quality Assurance engineers or any new users of LeanFT.

### Course Objectives

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

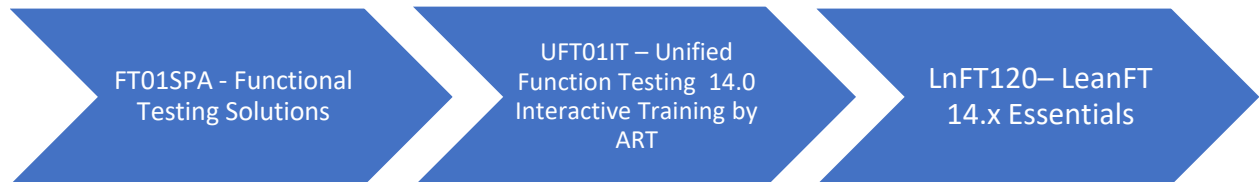
- Describe the differences between UFT and LeanFT
- Design and execute LeanFT tests in both Eclipse and Visual Studio
- Enhance your LeanFT tests with parameters
- Integrate your LeanFT Tests with Microsoft Excel to data drive your test

## Prerequisites/Recommended Skills

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

- Working knowledge of Windows and web browsers
- Fundamental understanding of Java and C# programming is helpful, but not required

## Learning Path



## Certification

- AIS – HP0-M102 – Unified Functional Testing 12.x Software
- ASE – HP0-M216P – Advanced HPE Unified Functional Testing 12.x Software

## Course Topics

Modules	Objectives
<b>Module 1: Course Overview</b>	<ul style="list-style-type: none"> <li>▪ Identify the contents and objectives of the course</li> <li>▪ Learn the sample Applications</li> </ul>
<b>Module 2: Introduction to LeanFT</b>	<ul style="list-style-type: none"> <li>▪ Describe the advantages of LeanFT as a testing tool</li> <li>▪ Describe the license types for LeanFT</li> <li>▪ Identify what's new in LeanFT</li> <li>▪ Explain cross-platform feature support</li> <li>▪ Build a LeanFT web-based test using Visual C#</li> <li>▪ Build a LeanFT Windows-based test using Visual C#</li> <li>▪ Run the test with NUnit</li> </ul>
<b>Module 3: Using the Object Identification Center</b>	<ul style="list-style-type: none"> <li>▪ Use the Object Identification Center (OIC) to add steps</li> <li>▪ Use OIC for Linux/Mac</li> <li>▪ Use OIC for Selenium</li> <li>▪ Output data to the Visual Studio log</li> </ul>
<b>Module 4: Iterating with LeanFT</b>	<ul style="list-style-type: none"> <li>▪ Create an array</li> <li>▪ Set test iterations based on the <code>TestCaseSource</code> area of a LeanFT script</li> <li>▪ Create a loop for a section of a test</li> <li>▪ Launch HTML reports</li> </ul>
<b>Module 5: Adding LeanFT Checkpoints</b>	<ul style="list-style-type: none"> <li>▪ Build checkpoints by inserting <code>Assert</code> methods for the framework being used               <ul style="list-style-type: none"> <li>▪ Report test results</li> <li>▪ Control test pass/fail status</li> <li>▪ Use the <code>Assert</code> method within a <code>try-catch</code> statement</li> <li>▪ Use the <code>Verification</code> class</li> </ul> </li> </ul>
<b>Module 6: Using LeanFT with Eclipse</b>	<ul style="list-style-type: none"> <li>▪ Create a LeanFT test using the JUnit Framework in Eclipse</li> <li>▪ Build a test in a Web application</li> <li>▪ Build a test in a Windows application</li> <li>▪ Run the test in Eclipse</li> </ul>
<b>Module 7: Enhancing Test Scripts in Eclipse</b>	<ul style="list-style-type: none"> <li>▪ Use the OIC with Eclipse</li> <li>▪ Iterate tests through multiple browsers</li> <li>▪ Add checkpoints</li> </ul>
<b>Module 8: Creating Application Models</b>	<ul style="list-style-type: none"> <li>▪ Describe the theory behind application models</li> <li>▪ Create an Application Model with LeanFT using Visual Studio</li> </ul>
<b>Module 9: Parameterization with Excel</b>	<ul style="list-style-type: none"> <li>▪ Read data from an Excel file to use as input into your test</li> <li>▪ Write data to an Excel file to save output from your test</li> </ul>

**Module 10: End-to-End Lab**

- Combine topics and methods from previous labs into a comprehensive test
- Create an NUnit Test project
- Create an Application Model
- Create a test using an Application Model
- Add checkpoints to a test
- Run the test against multiple browsers
- Parameterize a test using MS Excel