



Designing and Implementing Test Automation Frameworks with QTP

By *Ashish Bhargava*

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Designing and Implementing Test Automation Frameworks with QTP By Ashish Bhargava

With test automation becoming the norm, this is an essential course in framework designing with QTP. Mixing conceptual and practical elements, it imparts all the know-how you need to implement the framework.

Overview

- A simple and easy demonstration of the important concepts will enable you to translate abstract ideas into practice
- Each chapter begins with an outline and a brief statement of content to help the reader establish perspective
- An alternative approach to developing generic components for test automation

In Detail

As software testing is maturing, the focus is shifting towards test automation. The key is to learn and grow skills in framework designing and start contributing to project organization goals.

Through a helpful mix of conceptual and practical aspects, you will learn everything you need to know related to the implementation of frameworks using QTP. Through simple examples, you will gradually develop the skills needed to execute concepts and code blocks used to design and implement the test automation framework.

This tutorial-based guide demonstrates an easy way to implement concepts to create a portable framework across the various versions of QTP. You will learn about the automation lifecycle and gradually develop technical concepts related to each phase. Within a short amount of time, you will be able to deal with challenges in test automation. "Designing and Implementing Test Automation Frameworks with QTP" uses a simple, yet elegant approach and gives the reader all the skills and knowledge they need to implement the framework.

What you will learn from this book

- Understand the test automation lifecycle, as well as the goals that drive and guide its framework design
- Grasp the basic features of QTP that help in creating frameworks
- Learn about the various goals of each level of framework and how they drive the designing of the framework
- Create basic building block supports
- Understand the types of framework and how to design and use them
- Use Javascript and HTMLDOM effectively
- Capture lessons learnt in framework designing and share those experiences
- Deploy and maintain frameworks
- Build an XPath expression, locate the elements and perform an action on it

Approach

A tutorial-based approach, showing basic coding and designing techniques to build test automation frameworks.

Who this book is written for

If you are a beginner, an automation engineer, an aspiring test automation engineer, a manual tester, a test lead or a test architect who wants to learn, create, and maintain test automation frameworks, this book will accelerate your ability to develop and adapt the framework.

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Editorial Review

About the Author

Ashish Bhargava

Ashish Bhargava has over 10 years' experience in Information Technology. Working as a test lead, tester, and Java developer, he delivered many successful applications. He has experience in designing frameworks using various tools and languages. He has worked with HCL Technologies and Microsoft. He worked on QTP, Coded UI, and RFT, and has experience in VBScript, JavaScript, Java, and C#. He has experience in technically mentoring the junior team members to learn automation and test automation tools. He has experience in teaching automation and designing courses for test automation and manual testing. The author is the key contributor at <http://testautomationlabs.com/>.

Ashish has the following professional certifications:

- HP Certified QTP Professional
- ISTQB Certified
- Certified Software Test Manager (CSTM)

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Anne Hernandez:

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Bruce Williamson:

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Arthur Faust:

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