

QA

INTERMEDIATE

5 DAYS

UI Automation Testing with TOSCA

Build a strong foundation in UI automation testing using TOSCA by understanding its core capabilities and testing workflows. Learn how to design, execute, maintain, and report scalable UI automation tests using reusable components, data driven techniques, and CI/CD integration for enterprise grade quality assurance.

Why TOSCA?

Improved Testing Efficiency

TOSCA provides a powerful and intuitive platform for UI automation testing, allowing your team to automate repetitive tasks and accelerate the testing process.

Enhanced Test Accuracy

TOSCA's automation capabilities ensure precise and consistent test execution. By eliminating manual intervention, you can reduce the chances of errors and achieve reliable test results.

Increased Test Coverage

With TOSCA's UI automation capabilities, you can expand your test coverage. This ensures comprehensive testing across different browsers, devices, and platforms.

What you'll be able to do

- ✓ Understand the fundamentals of UI automation testing and its importance in software development and quality assurance.
- ✓ Gain a comprehensive understanding of the TOSCA tool and its capabilities for UI automation testing.
- ✓ Learn how to plan and design UI automation test cases using TOSCA effectively.
- ✓ Acquire proficiency in object mapping and creating reusable test components in TOSCA for efficient and maintainable automation scripts.
- ✓ Master the execution and validation of UI automation tests using TOSCA.
- ✓ Explore advanced features of TOSCA for data-driven testing, test data management, and integration with CI/CD pipelines.
- ✓ Develop strategies for maintaining and updating UI automation tests as the application evolves.
- ✓ Understand how to analyze test results and generate comprehensive reports using TOSCA.

Who this is for

- Quality Assurance (QA) Engineers/Testers
- Software Developers
- IT Professionals in Agile/DevOps Environments
- Business Analysts

Curriculum

01 TOSCA Foundations

- Apply Tosca foundations using TOSCA in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

02 Setup

- Apply setup using TOSCA in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

03 Model-Based Testing

- Apply model-based testing using TOSCA in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

04 Test Case Design

- Apply test case design using TOSCA in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

05 Script Enhancement

- Apply script enhancement using TOSCA in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

06 Test Data

- Apply test data using TOSCA in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

07 Execution and Monitoring

- Apply execution and monitoring using Tosca in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

08 Reporting

- Apply reporting using Tosca in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

09 CI/CD

- Apply ci/cd using Tosca in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

10 Maintenance and Versioning

- Apply maintenance and versioning using Tosca in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

11 Best Practices and Advanced Features

- Apply best practices and advanced features using Tosca in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks