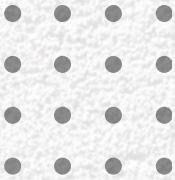


Sonu Madheshiya

Automation Testing Common Hurdles



Mastering Automation Testing : Common Hurdles

Learning automation testing is just the beginning. The real challenge lies in applying that knowledge effectively. Here are some common reasons why people struggle to use automation testing after learning it.

Handling Data Files :

Many struggle with using data files like Excel, CSV, JSON, or Properties (in Java). It's crucial to learn how to read, write, and update these files using your programming language of choice. This skill is fundamental for managing test data efficiently.

Generating and Deploying Test Reports :

Knowing how to generate comprehensive test execution reports and deploying them to various platforms (email, communication channels, cloud) is essential. It ensures stakeholders are informed about the test results and system health.

Maintaining Detailed Report Logs :

Keeping detailed logs with all execution steps, error logs, and screenshots for failed test cases is crucial. This practice helps in diagnosing issues quickly and improves the debugging process.

Parallel Execution :

Learning how to execute tests in parallel is essential for running your entire test suite within a specific time frame. This approach maximizes efficiency and reduces testing time significantly.

Reusable Functions :

Knowing when and where to write frequently used actions in functions for reuse can save time and effort. It also makes your code more modular and easier to maintain.

Managing Test Suites and Test Cases :

Effective management of test suites and test cases involves proper naming conventions, prioritization, and handling dependencies. This organization ensures clarity and efficiency in your testing process.

✓ Clean and Maintainable Code :

Keeping your code clean, easy to read, and maintainable is vital. Adopt best practices in coding standards to ensure your automation scripts are robust and scalable.

✓ Effective Use of Assertions :

Knowing when and where to use assertions in your scripts is crucial for validating the expected outcomes. It ensures the accuracy and reliability of your tests.

⌚ Using Data Providers and Re-execution :

Leveraging data providers and understanding how to re-execute failed test cases can significantly enhance your testing efficiency. It helps in ensuring that all test scenarios are covered thoroughly.

💡 Utilizing Annotations :

Understanding how to use annotations effectively and knowing what type of code should be written into them can streamline your test execution process. It provides better control over the test lifecycle.

“Skill is only developed by hours and hours of work.” - Usain Bolt

⌚ Keep pushing your boundaries and continuously practice these aspects to become proficient in automation testing. 💪

Happy Testing ! ✨

Stay tuned for overcome these automation testing hurdles with detailed explanations and examples in our upcoming [posts](#) !