

Course Summary and Further Learning



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Overview



Key course takeaways

Good practices

Further learning and resources





Key Course Takeaways



Selenium is a powerful tool.
Don't overuse.



Automated browser tests
take a lot longer to execute.



Test reliability over execution speed.



Selenium does not normally completely replace the need for human UI testers.



Good Practices

Use Page Object Models for non-trivial tests

Check page is loaded before interacting

Element locators

- Use most reliable method
- Use simplest method (e.g. Id)

Use configuration files (e.g. servers/ports)

Explicit waits over Thread.Sleep

Independent test ordering / test isolation

Execute as part of CI build

Usually test features, not visuals

Manage browser updates on test machines

Test case/data preparation



Further Learning and Resources





<https://selenium.dev/documentation/en/>
<https://github.com/SeleniumHQ>



Other WebDriver Implementations

Firefox

Internet Explorer

Opera

Safari

<http://bit.ly/psseleniumbrowsers>



Integration with Other Tools

BDD framework

- “Business Readable Automated Tests with SpecFlow 2.0”
- “Automated Business Readable Web Tests with Selenium and SpecFlow”

Approval Tests

- “Approval Tests for .NET”

Testing frameworks

- “C# Unit Testing with xUnit” path
<http://bit.ly/psxunitpath>
- “C# Unit Testing with NUnit” path
<http://bit.ly/psnunitpath>

