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Keynote

Thursday, October 4th, 2018 4:15 PM

Testing Your Tests: Securing Confidence In Your Automation

Presented by:

Max Saperstone

Coveros

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Max Saperstone

For almost a decade, Max Saperstone has been a test engineer focusing on test automation and the continuous integration/continuous delivery process. Max specializes in open source tools-Selenium, JMeter, AutoIT, Cucumber, and Chef. He has led several testing automation efforts, including developing an automated suite focused on web-based software to operate over several applications. Max also headed a major project developing an automated testing structure to run Cucumber tests over multiple test interfaces and environments, while developing a system to keep test data “ageless.” He is currently developing a new testing architecture for SecureCI to allow testing of multiple interfaces, custom reporting, and minimal test upkeep.

Securing Confidence In Your Automation

Max Saperstone

@Automation_Tests

Test Automation isn’t Testing!

Test Automation is not Automated Testing - hackernoon.com

Why test automation skills alone won’t get you the job - techbeacon.com

Something’s Rotten with Test Automation - testproject.io

5 Problems With Functional Test Automation Today - dzone.com

Test Automation is Really Manual - appdiff.com

What Value is Your Test Automation Adding? - joecolantonio.com

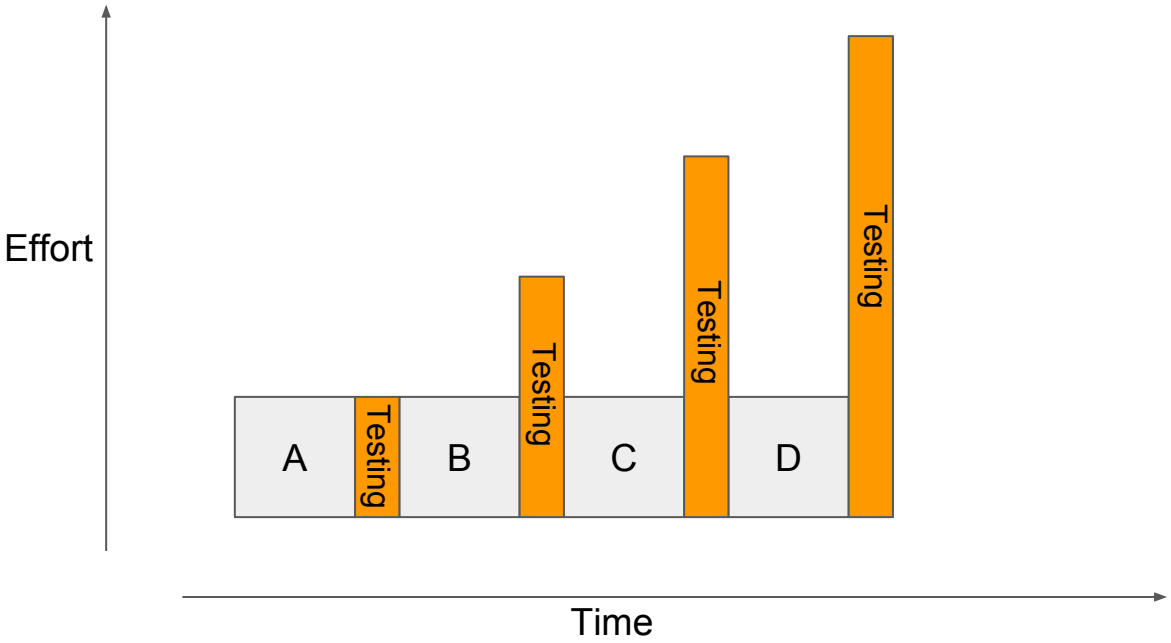
Testers Don’t Test Anymore - medium.com/@jarbon

Why Software Testers Can't Test - parasoft.com

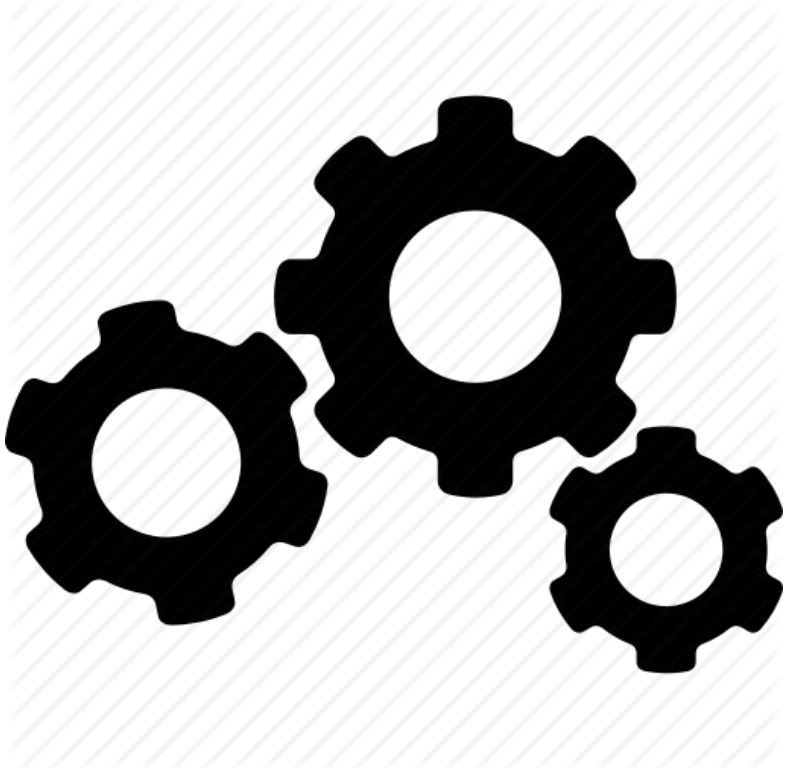
Test automation is not testing - eurostarsoftwaretesting.com

What does this mean for Test Automation?

Testing is cumulative



Where does Test Automation fit in?



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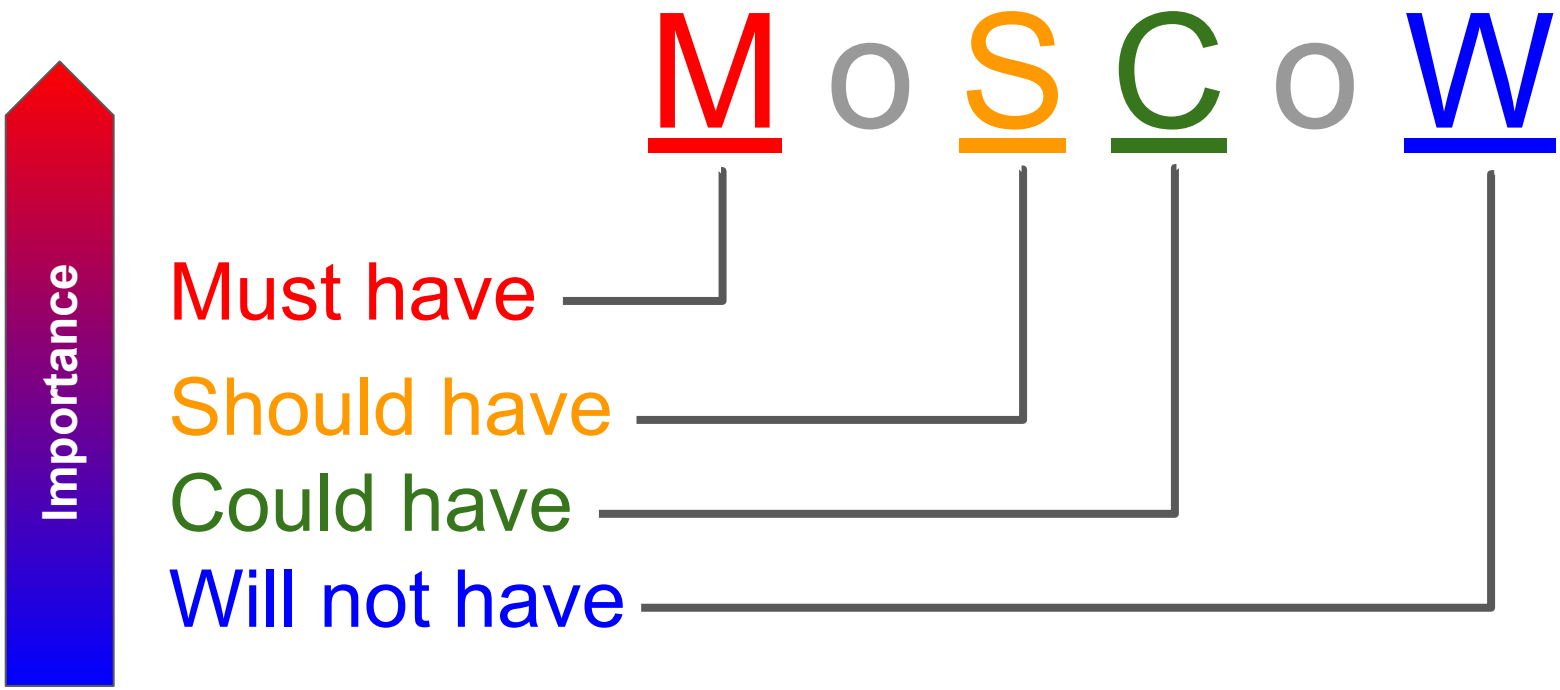
So, what is the purpose of Test Automation?



Automated Test cases need to reflect purpose

- Arrange Act Assert
- One Assert Per Test
- Limit Interdependencies
- Avoid Conditional Logic

Given I have logged in to my site

When I update my age to 35

Then 35 is shown

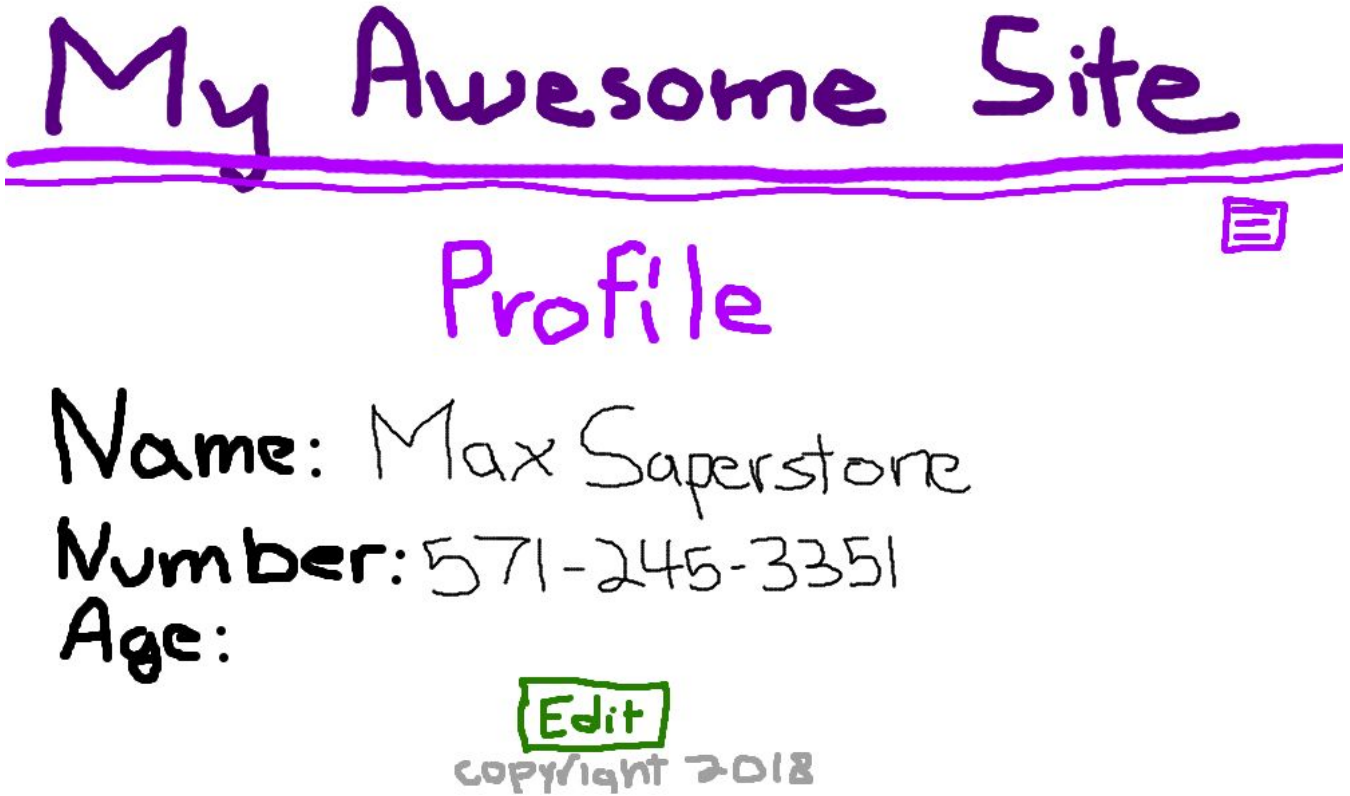
My Awesome Site
Welcome
Username:
Password:
Login
copyright 2018

My Awesome Site
Welcome
Username:
max
Password:
Login
copyright 2018

My Awesome Site
Welcome
Username:
max
Password:
*****
Login
copyright 2018

My Awesome Site
Profile
Name: Max Saperstone
Number: 571-245-3351
Age: 34
Edit
copyright 2018

My Awesome Site
Profile
Name: Max Saperstone
Number: 571-245-3351
Age: 35
Save
copyright 2018


My Awesome Site
Profile
Name: Max Saperstone
Number: 571-245-3351
Age:
Edit
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Given I have logged in to my site

When I update my age to 35

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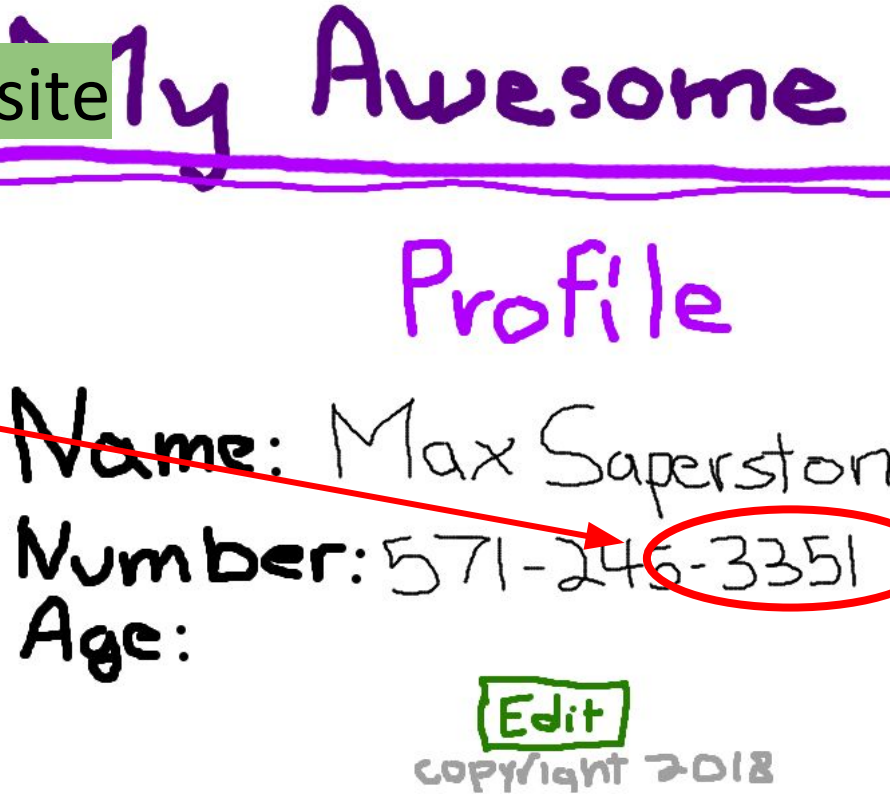
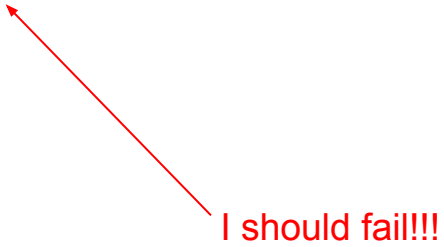


Mutation Testing

Given I have logged in to my site

When I update my age to 30

Then 35 is shown



Given I have logged in to my site

When I update my age to 30

Then 35 is shown

Given I have navigated to my site

When I login with a bad username/password

Then I don’t see the homepage

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Password:
Login
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My Awesome Site
Welcome
Username:
max
Password:
Login
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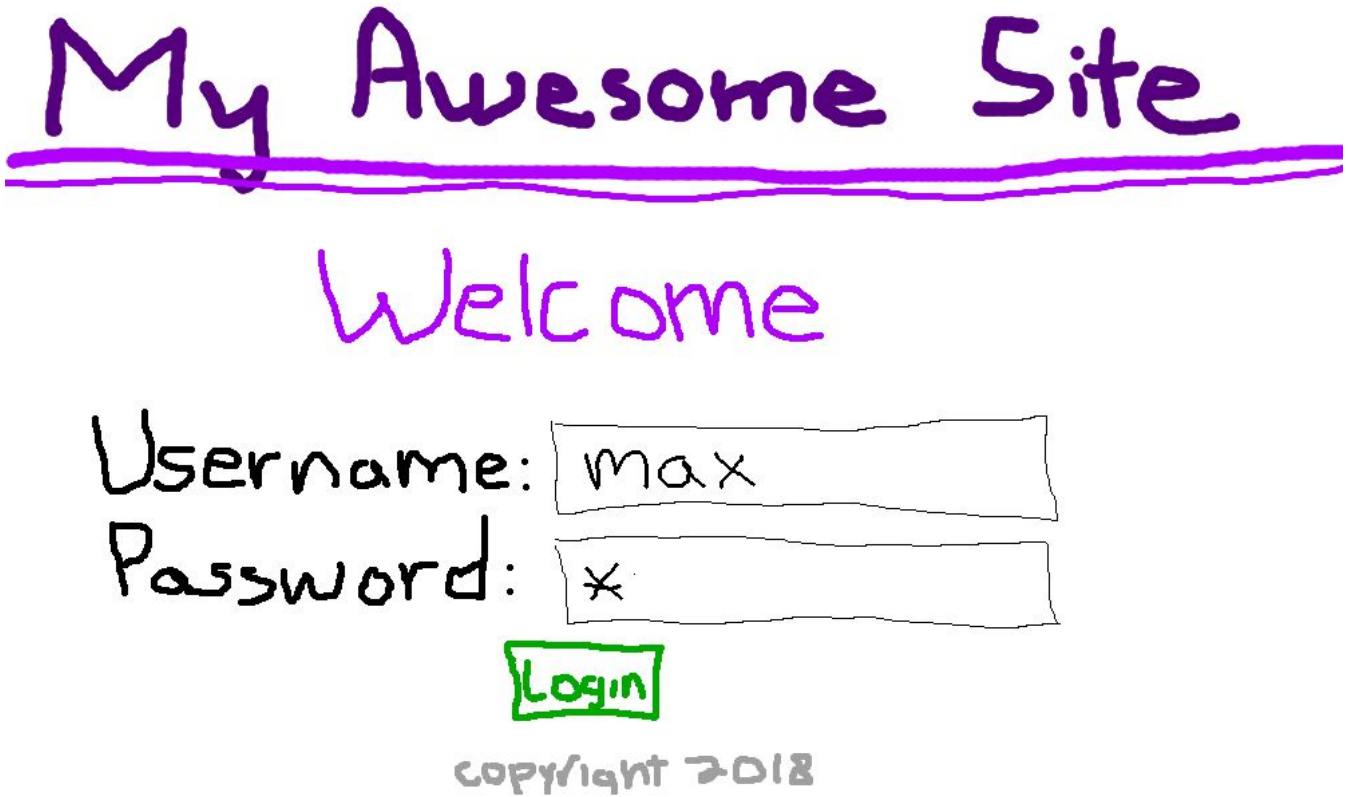
My Awesome Site
Welcome
Username:
max
Password:
*
Login
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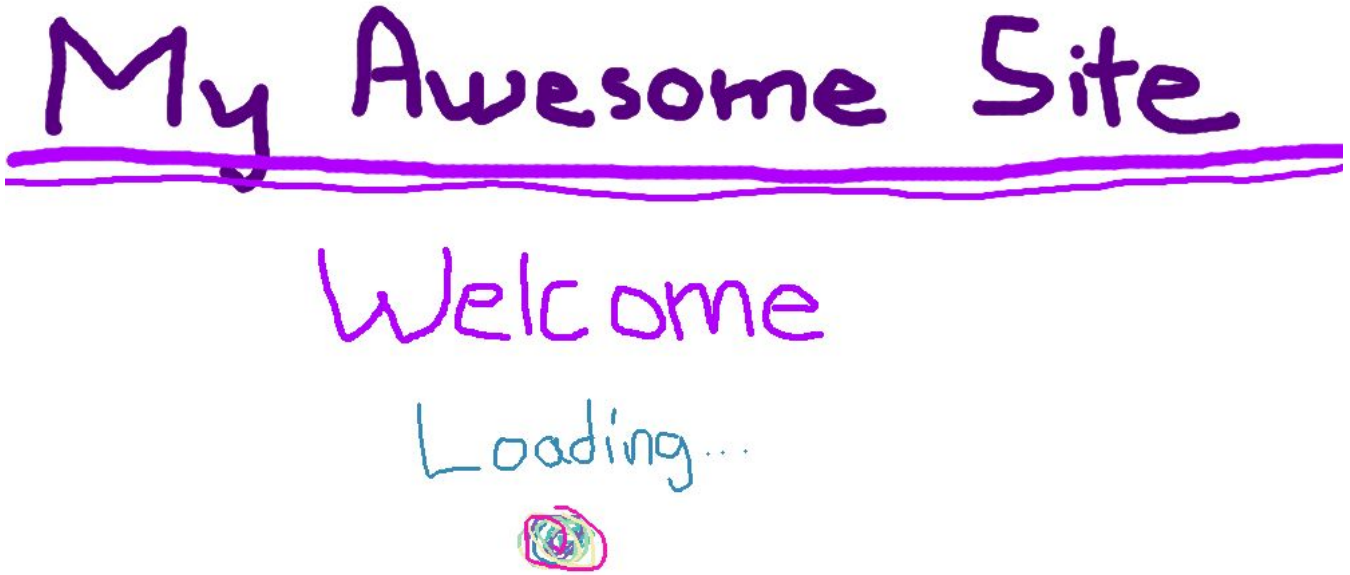
My Awesome Site
Welcome
Loading...
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My Awesome Site
Profile
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Number: 571-245-3351
Age: 34
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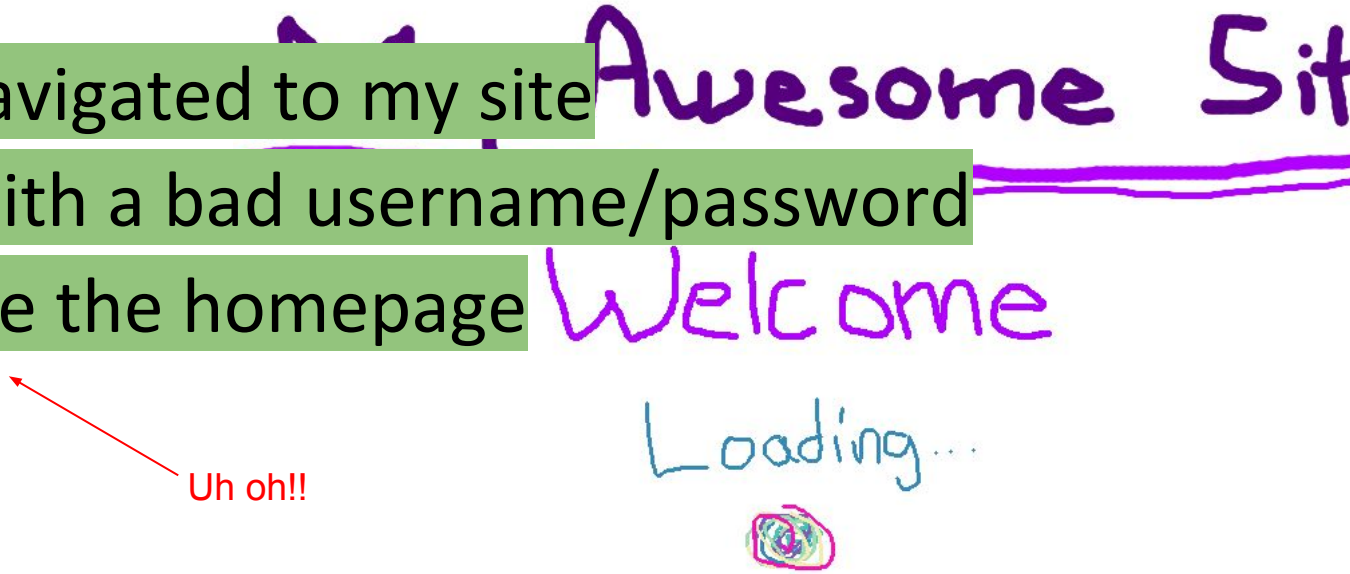
Given I have navigated to my site

When I login with a bad username/password

Then I don't see the homepage



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Given I have navigated to my site

When I login with a good username/password

Then I don’t see the homepage

Keys to Good Tests

1. Establish your goals
2. Test the correct things
3. Follow good principles
4. Follow good processes
5. Validate your tests
6. Maintain your tests

Securing Confidence In Your Automation

Max Saperstone

@Automation_Tests