# unit testing

in umbraco

@paulmgower

# unit testing goal



https://en.wikipedia.org/wiki/Unit_testing

# unit testing goal



isolate each part

https://en.wikipedia.org/wiki/Unit_testing

# unit testing goal



isolate each part

prove part is correct

https://en.wikipedia.org/wiki/Unit_testing

# unit testing benefits



@paulmgower

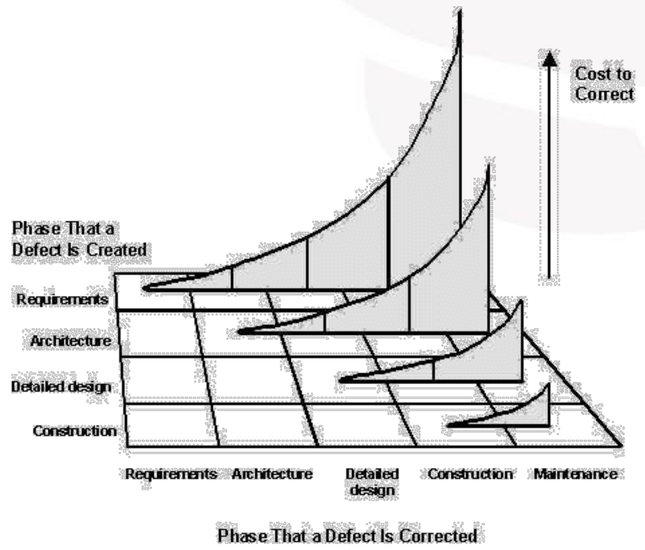
# unit testing benefits



find bugs early

# unit testing benefits

find bugs early




http://www.stevemcconnell.com/articles/art04.htm

**@paulmgower**

# unit testing benefits



find bugs early

provides documentation

# more info on unit testing

@paulmgower

# more info on unit testing

http://bit.ly/hq-unit-tests

# more info on unit testing

http://bit.ly/hq-unit-tests

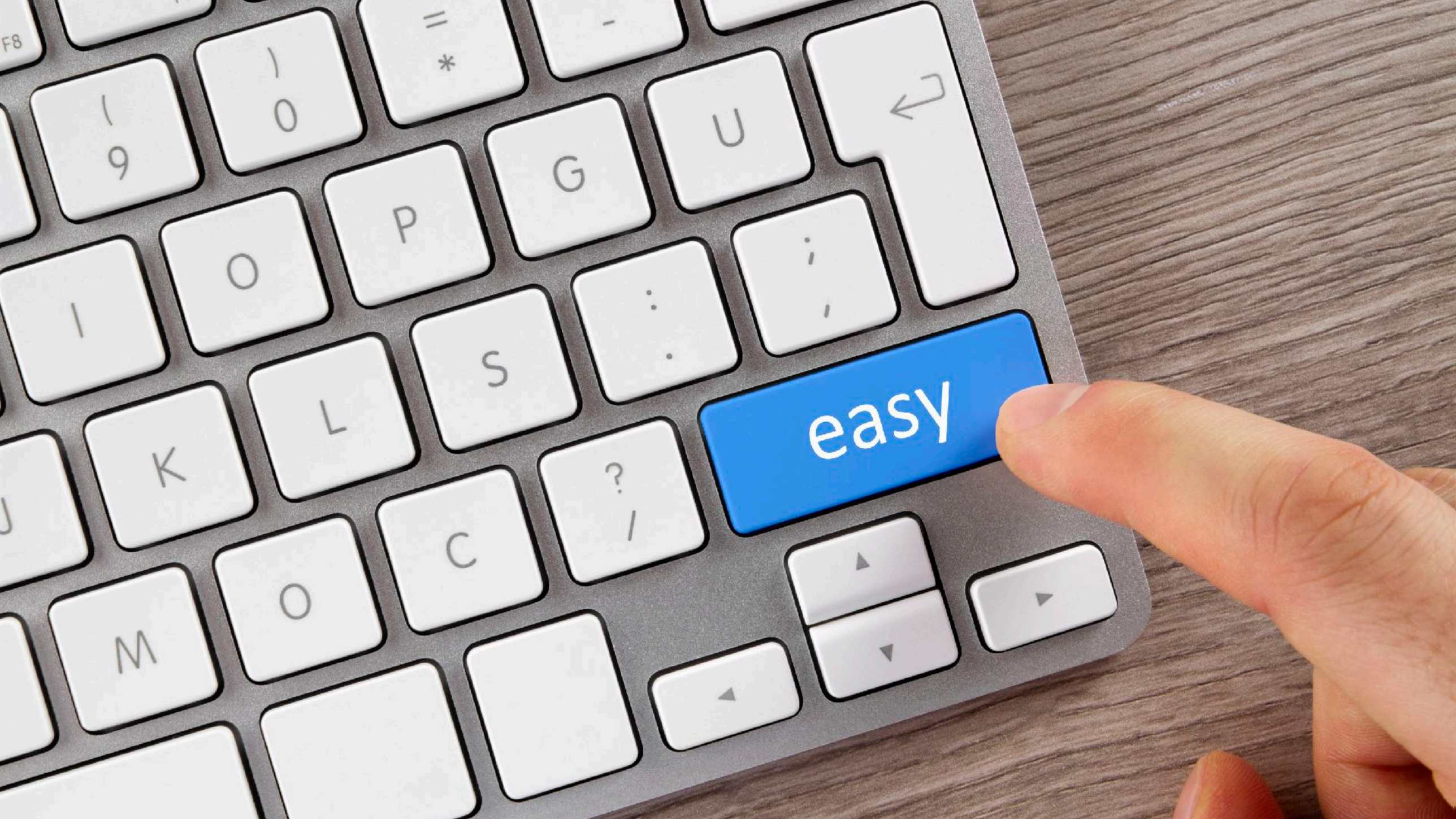
http://bit.ly/robust-unit-tests

umbraco

@paulmgower

# Demo

@paulmgower


easy

# Demo

@paulmgower

# dependencies



@paulmgower

# dependencies



NUnit

# dependencies

NUnit

NUnit Test Adapter

# dependencies

NUnit

NUnit Test Adapter

Moq

# dependencies

NUnit

NUnit Test Adapter

Moq

Umbraco.Tests.dll

# steps to unit test

# steps to unit test



## test project

# steps to unit test

test project

Umbraco.Tests.dll

# steps to unit test

test project

Umbraco.Tests.dll http://bit.ly/U4-8528

# steps to unit test

test project

Umbraco.Tests.dll http://bit.ly/U4-8528

first test

# more info

sam sussman's article

http://bit.ly/umb-ut-sam

lars-erik's article

http://bit.ly/umb-ut-lars

**@paulmgower**

# GitHub Repo and Slides

http://bit.ly/uwf2017-gh-ut-umb

@paulmgower

# paul gower

## CTO of Aristotle Labs

@paulmgower | aristotlelabs.com