

Sydney Testers Bootcamp

Who are we?

- Devesh Maheshwari
- Keith Wale

The First Session

- Feedback is Important!!!! Add notes as we go
- Will be a retro at the end - Final 5 Minutes
- Each further session will build on skills

Setting Up a Testing Framework

How this is gonna work

- We are gonna walk you through 2 Lessons
 - Setting up a testing framework and writing Unit Tests
 - BDD Test Automation
- You are gonna follow as a pair
- We assume all of you have setup your machines
- If you have problems let us know - People to help

Lesson 1

Setting up a testing framework and writing Unit Tests

Ruby - Gems

Ruby projects manage their dependencies through gem files

Lets add some dependencies to the gem file

- Unit Test Framework - Rspec
- Data Parser - Nokogiri

Bundle install

- To check it worked - Run rspec in the command line

What did you get?????

Emailvalidator

We are gonna test the class emailvalidator

What does this class do?

What is a unit Test

- A unit test is a test written on the smallest piece of code possible
- This should be automated - Ideally written before any code. But as part of the feature

Now Lets write a Unit Test

- Create a Spec File - Naming convention is lower case
- Pull in other dependencies - Require Classes
 - emailvalidator
 - rspec

This means that the test will use these classes when it runs

A word about TDD

- We are not teaching TDD here
- In reality you would do this with a developer before they write any code
- Also we are assuming you can all work out what you would test

Example 1

- Lets write a test for making certain that the email includes @ and .

Example 2

- What would you have us test?

Now your turn

- What else would you test in this class?
- As a pair write the test.
- Maybe change the class and make the test break!
- Write as many Tests as you can think of

Bonus Tests

- If you finish do another class-
 - Car Premium calculator

So why is this good?

SUGGESTIONS?????

Because

- Stops you doing manual tests -
 - Field validation is nonsense
- You can chat with the Devs -
 - See where the gaps are
 - Understand what they are building
- Understand what developers are doing
- Maybe even write some of these yourself? - Make your life better
- Drives better design and better code