Welcome!

Please download the JAR from:

github.com/mwinteringham/approval-testing-app/releases

Please download and load up:

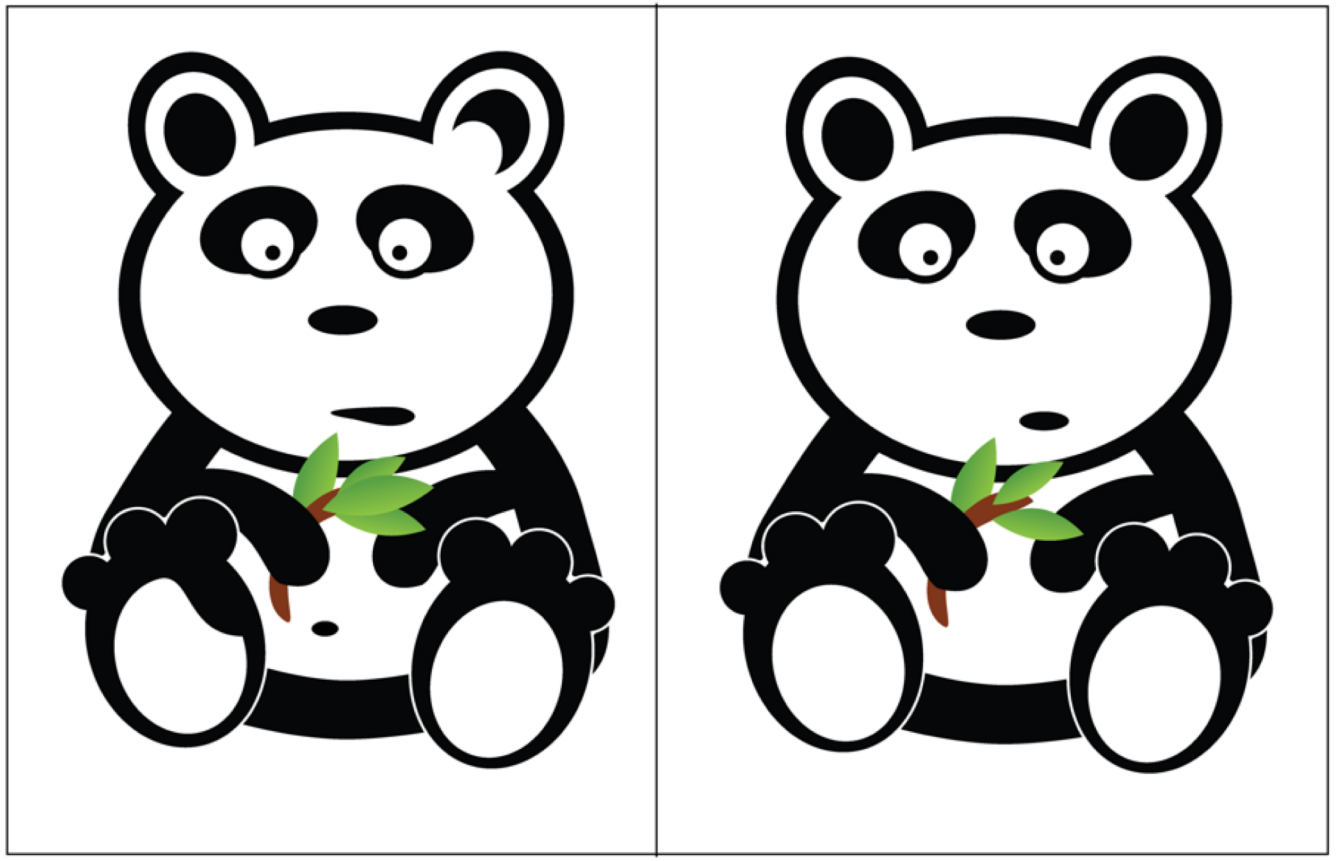
github.com/mwinteringham/approval-testing-koans

Approval Testing

Superpower your automation feedback

Mark Winteringham
@2bittester

Spot the Five Differences



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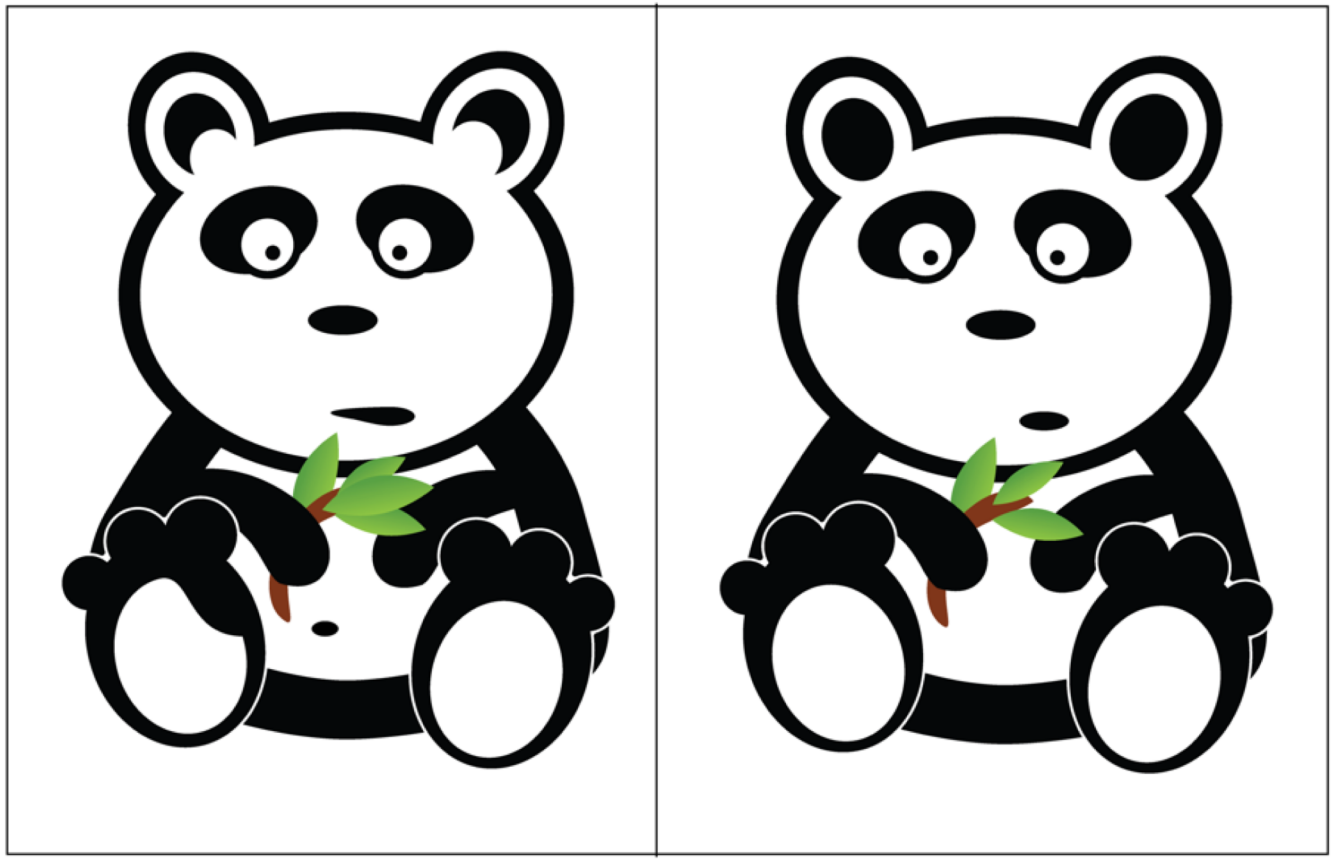
Using only your tests,
get ready to test again

Spot the Five Differences



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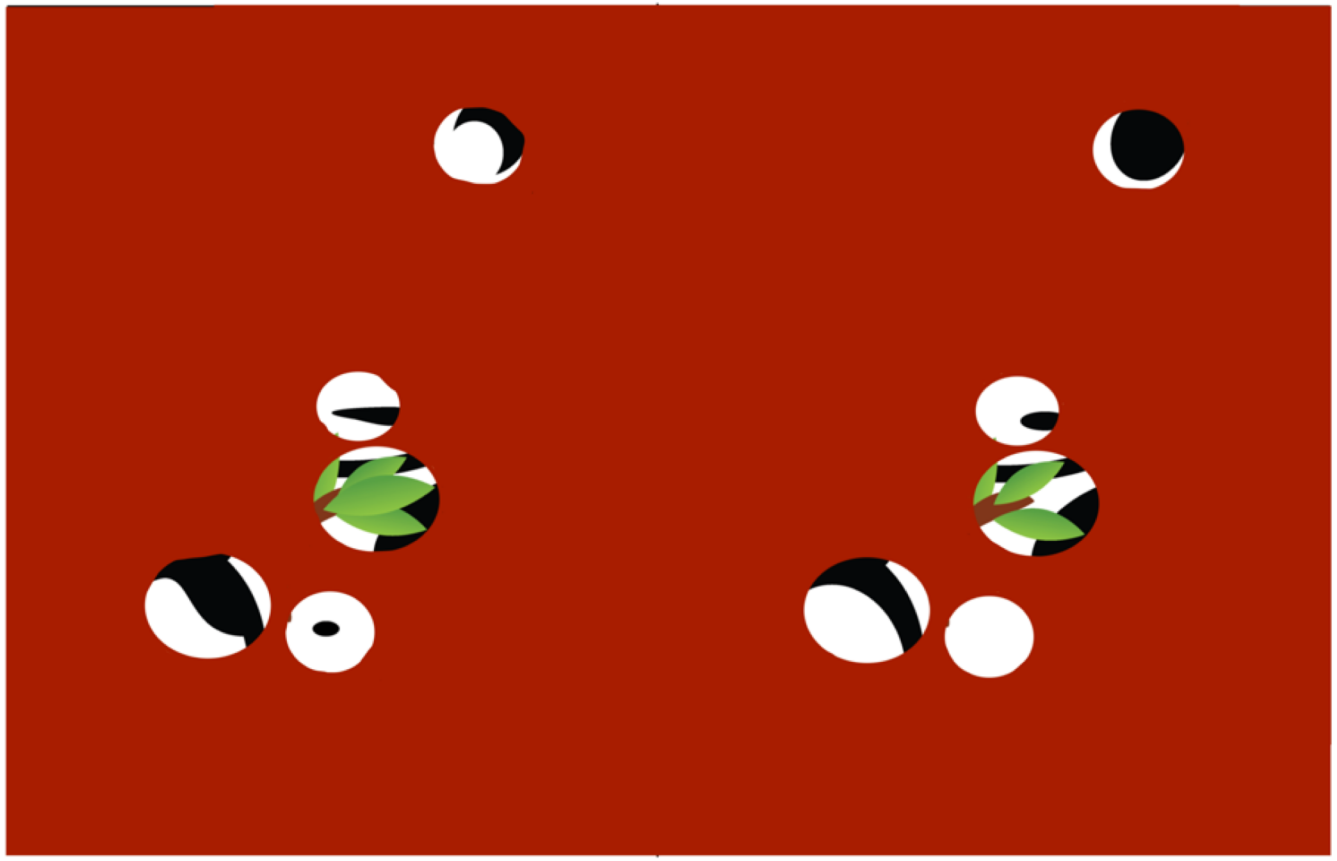

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```
HTTP/1.1 200 OK
Content-Type: text/html
Connection: keep-alive
```

```
<body>
      <p>An error occurred</p>
</body>
```

...ries/approval-testing-koans/src/test/java/com/mwtestconsultancy/checks/ExerciseOne.example.received.txt

```
{
    "roomid": 3,
    "roomNumber": 108,
    "type": "Single",
    "beds": 4,
    "accessible": true,
    "image": "https://www.error.co.uk/img/room1.jpg",
    "description": "It's a volcano",
    "features": [
        "Lot's, of, lava"
    ],
    "bookings": [

    ]
}
```

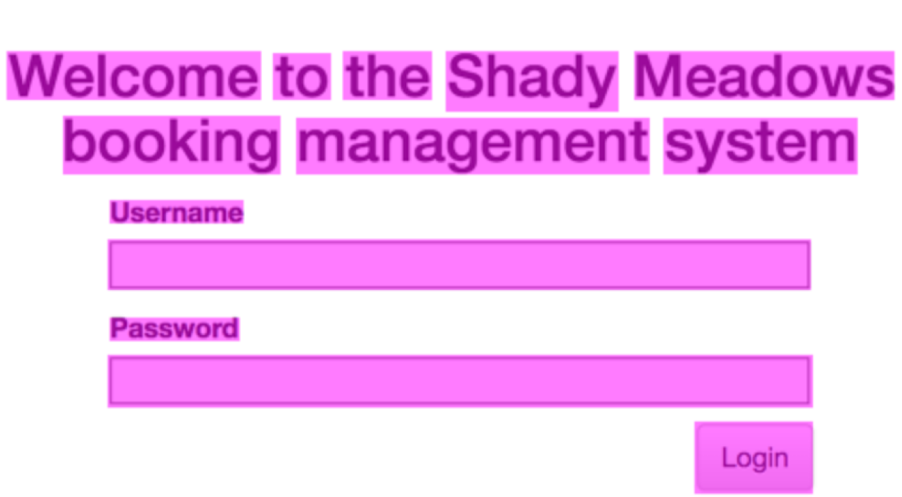
Baseline

...s/Testing_Community/Repositories/approval-testing-koans/src/test/java/com/mwtestconsultancy/checks/ExerciseOne.example.approved.txt

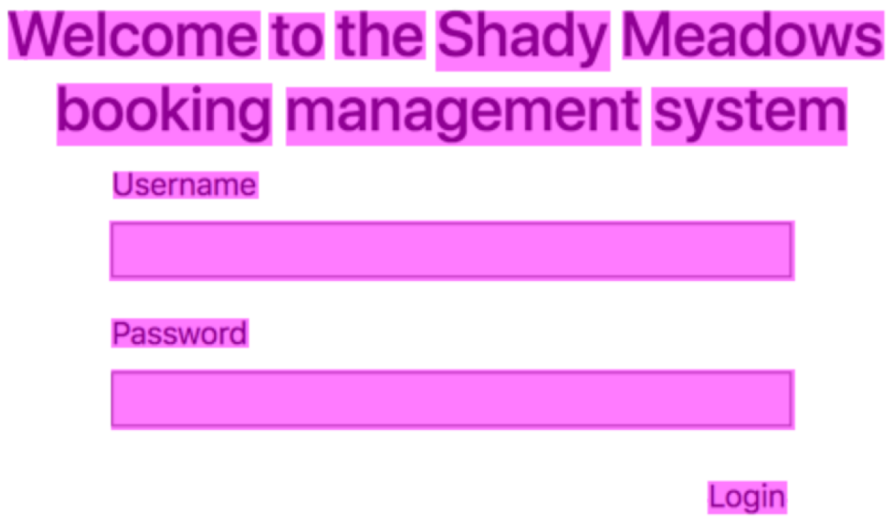
```
{
    "roomid": 2,
    "roomNumber": 102,
    "type": "Single",
    "beds": 4,
    "accessible": true,
    "image": "https://www.mwtestconsultancy.co.uk/img/room1.jpg",
    "description": "This is a lovely room with a very nice room",
    "features": [
        "WiFi, Mini-bar, Phone"
    ],
    "bookings": [

    ]
}
```

Current



Baseline



Current

Let’s start with ApprovalTests

Exercise 1

Please download and load up:
github.com/mwinteringham/approval-testing-koans

Update the asserts in each test in ExerciseOne class to use ApprovalTests

What if the data changes?

Exercise 2

Please download the JAR from:
github.com/mwinteringham/approval-testing-app/releases

Update the asserts in each test in ExerciseTwo class to use ApprovalTests

Approving images?

Exercise 3

Register an account with Applitools
applitools.com

Update the test in ExerciseThree class to take a screenshot and approve it using Applitools

What is the goal of regression testing?

QA FEST

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SPEAKERS

We are proud with our speakers! And we believe in life-long learning. That is why no Dinosaurs on QA Fest - only active practitioners looking for a new knowledge, technology and changes. People who move testing ahead and year by year prove: testing is creative!

Ilari Henrik Aegerter

Managing Director, House of Test GmbH, Switzerland

Ilari Henrik Aegerter has 10+ years of experience in the field, coming from the medical software domain at Phonak AG and progressing to e-commerce at eBay. Co-founder of the International Society for Software Testing (ISST), which advocates for bringing back common sense to testing. Beer Brewer

Mark Winteringham

Threatvine, UK

Mark is a technical tester, testing coach and international speaker. He is an expert in technical testing and test automation and is a passionate advocate of risk-based automation which he regularly blogs about at mwtestconsultancy.co.uk. Mark is co-founder of the Software Testing Clinic in London.

Per Thorsheim

Passordninja AS, Norway

Security Consultant, founder & organizer of PasswordsCon.org. Received worldwide attention in June 2012 when he revealed that Linkedin had been hacked. He currently holds the CISA & CISM certifications from ISACA, as well as the CISSP & ISSAP certifications from (ISC)2.

Gerlof Hoekstra

Atos, Netherlands

Experienced test manager with deep expertise in various domains: banking, insurance, telecom. Gerlof is an inspiring speaker and has presented on many test conferences as well as guest lectures at local universities.

@2bittester

- Olga

Unicorn-C

- Fun, relaxed, cheerful, helpful. QA Hangout.

- Anonymous

1. 1
2. 2
3. 3
4. 4
5. 5
6. 6
7. 7
8. 8
9. 9
10. 10
11. 11

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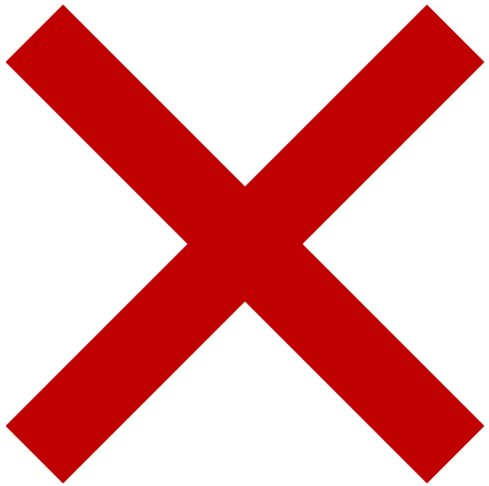
-
-
-

```
Assert.assertEquals(capturedData, true);
```

Approval Testing can...

- Offer richer feedback
- Tells you what's going in the system and not what you expect the system to do
- Puts you back in driving seat
- Highlights and encourages good testability



But beware...

- Approvals are expensive on resources
- Approvals require an application that is highly testable
- It requires discipline

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Mark Winteringham
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www.mwtestconsultancy.co.uk
www.automationintesting.com