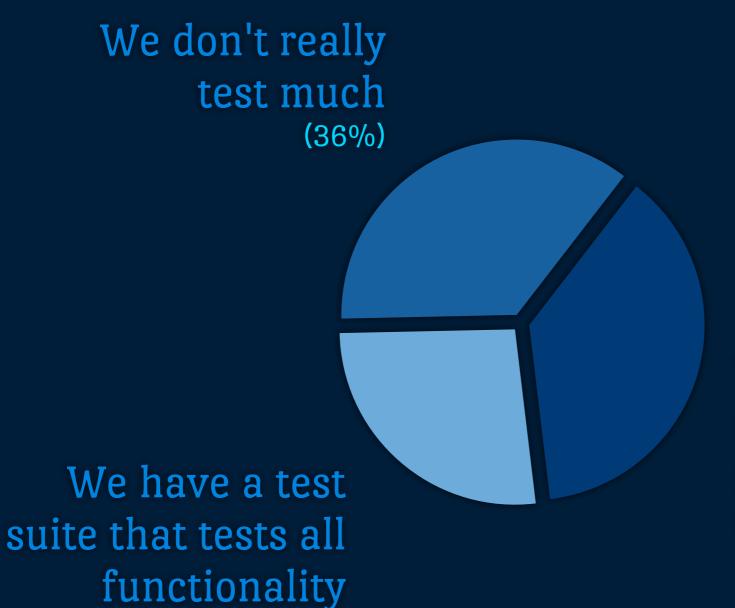
behaviour driven (development)design) Wanes A lanes

source: hacker news http://bit.ly/Gzopot

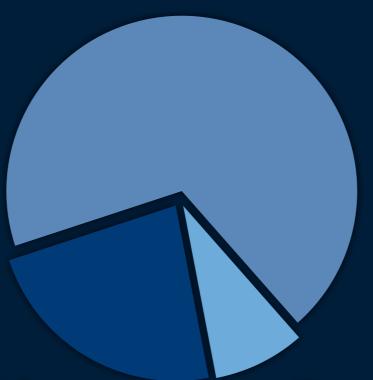


(27%)

We have a test suite that tests a few critical things (38%)

source: hacker news http://bit.ly/Gzopot

We'd like to do more testing but it's too much overhead (69%)



We are happy with the amount of testing we do (23%) Tests? We don't need no stinking tests.
(8%)

66

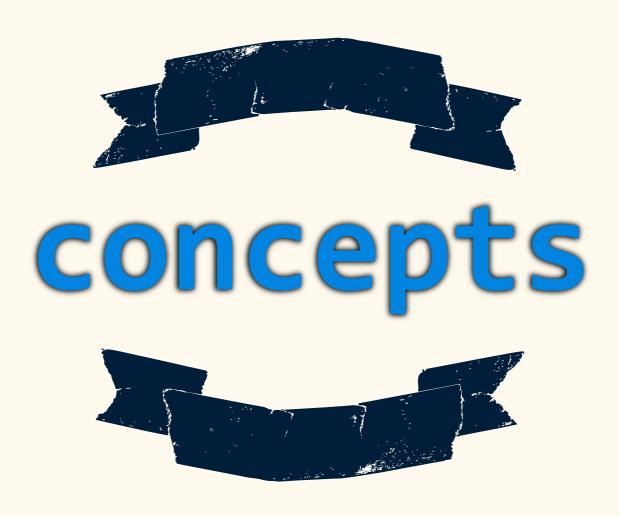
We, as an industry don't feel we write enough tests



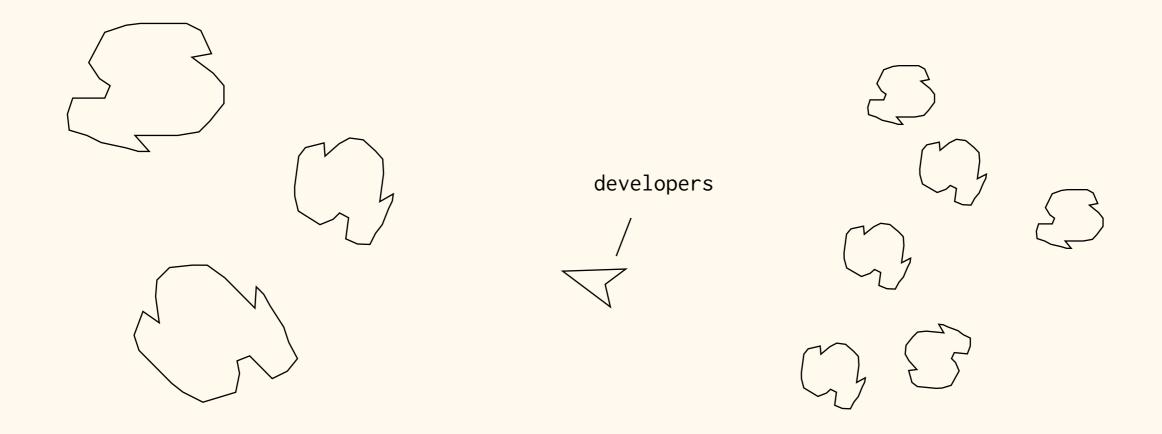
too much effort, too much friction, not enough time, fragile tests, too little incentive, testing the wrong things, too much focus on the machinery ...

behaviour driven (development design)

bring the customer with you, build testing into every stage, reduce system testing cycle time, stable tests, test the right things, move the focus to the behaviour ...



PRESS <START> TO PLAY



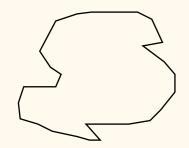
coarse grained (acceptance tests)

fine grained (unit tests)

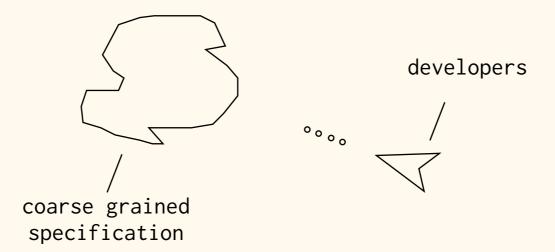
Given I complete the login form
When I submit the form
Then I should be logged in

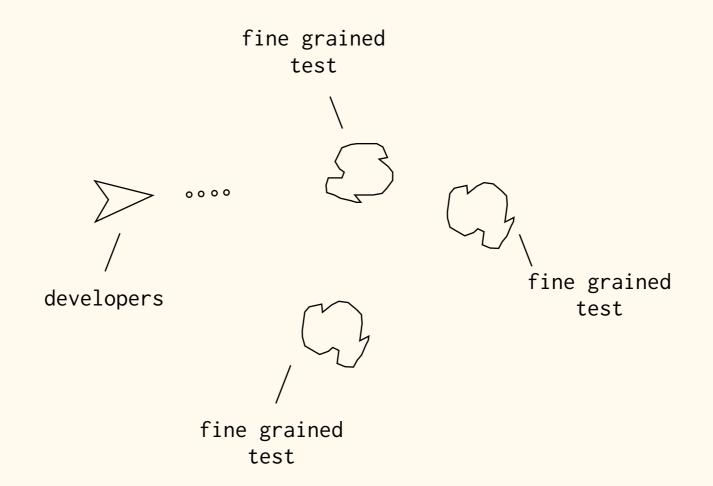


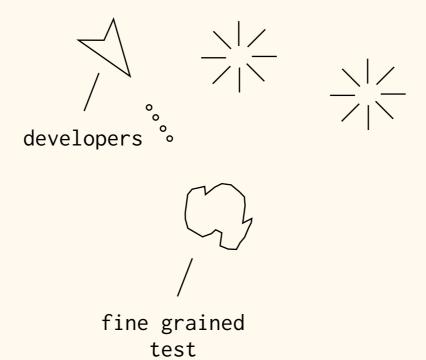
```
class describe_Account : account_spec
{
   void before() { account = new Account(); }
   void describe_withdrawing_cash()
       context["when account is in credit"] = () =>
           before = () => account.Balance = 500;
           it["the Account dispenses cash"] = () =>
               account.CanWithdraw(60).should_be_true();
       };
             fine grained
```



developers
/









SPECIFICATION OVER

NEW HIGH SCORE



PRESS <START> TO PLAY AGAIN

Cucumber Cucumber Store Store

NUnit MSpec NUnit NSpec NUnit MSpec NUnit MSpec MSpec

StoryQ



The Calculate-o-tron

- A study into the art of BDD -

Feature: The Add-o-tron module of the Calculate-o-tron So that I can win at maths As someone who is too lazy to think for themselves I want to be able to do maths on two numbers

Scenario: Calculating the sum of two numbers Given I have navigated to the Add-o-tron And I have entered 60 and 50 When I activate the add-o-tron Then the result should be 110



```
[Given("I have navigated to the (.*)")]
public void GivenIHaveNavigatedTo(string function)
   browser.Navigate("http://localhost/DevWeek.Demo.Web");
   browser.Find("a", FindBy.PartialText, function).Click();
}
[Given("I have entered (.*) and the (.*)")]
public void GivenIHaveEnteredValues(string num1, string num2)
   browser.Find("number1").Value = num1;
   browser.Find("number2").Value = num2;
```

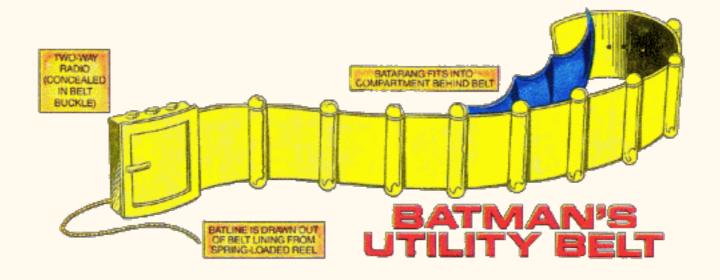
```
[When("I activate the (.*)")]
public void WhenIPressActivateTheMachine(string function)
{
    browser.FindAll("form").First().SubmitForm();
}
```

```
[Then("the result should be (.*)")]
public void ThenTheResultShouldBe(string expectedResult)
{
    string actualResult = browser.Find("result").Value;
    Assert.That(actualResult, Is.EqualTo(expectedResult));
}
```

```
class describe_AddOTronService : nspec
    AddOTronService service;
    int actual;
    void before_each()
    {
        service = new AddOTronService();
        actual = 0;
    }
    void given_i_pass_in_2_valid_numbers()
    {
        act = () => actual = service.Calculate(45, 30);
        it["should add the numbers correctly"] = () =>
            actual.should_be(75);
```

describe AddOTronService
 when I pass in 2 valid numbers
 it should add the numbers correctly

1 Examples, 0 Failed, 0 Pending



Test Runners



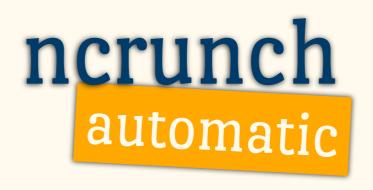












And now for something completely different...





```
test("QUnit", function() {
  ok( true, "makes testing JavaScript possible" );
  var value = "code";
  equal( value, "code", "We expect your code to be better" );
});
```

Jasmine

```
describe("Jasmine", function() {
  it("makes testing JavaScript awesome!", function() {
    expect(yourCode).toBeLotsBetter();
  });
});
```

/Presentation>



bit.ly/bddindotnet-slides



bit.ly/bddindotnet-code

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