



# WHY USE SELENIUM?

→ Unit tests are great – they test the correctness of our modules

→ body { display:none; }
makes none of that matter











#### WebDriver

- → API for automating browsers using code
- → Supports C# (and other languages)

### **IDE**

- → Firefox extension for recording browser actions
- → Exports C# NUnit tests



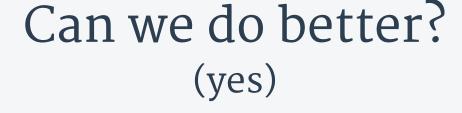








- ✓ Selenium IDE and the WebDriver API are great for fast prototyping
- **\*** But not great for maintainability:(











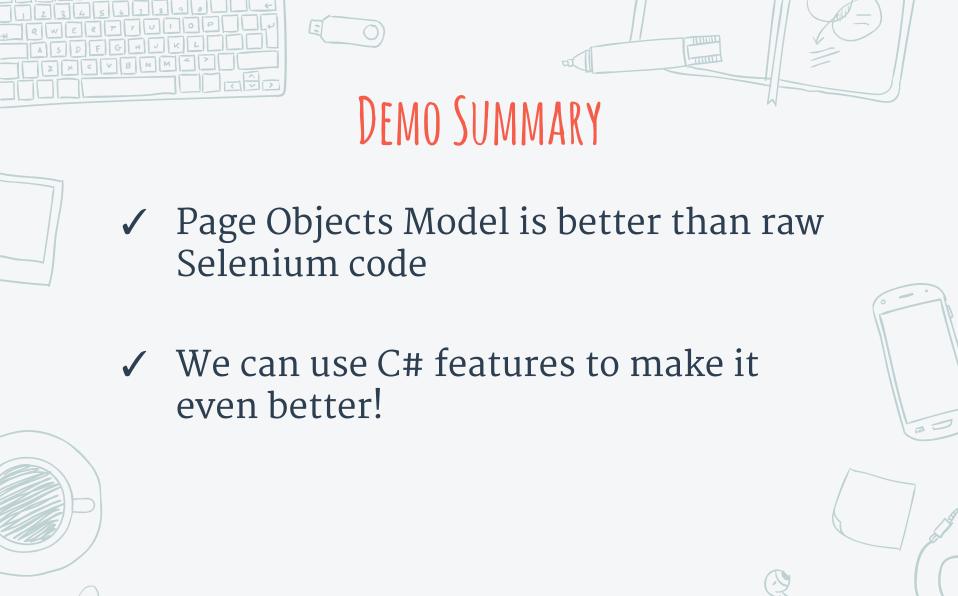
### CODE ORGANIZATION

- → Page Object Model
  - Create reusable components
- → OOP without inheritance
  - ◆ Compose everything.
- → Bumblebee
  - ◆ C# library for the Page Object Model
  - 1. <a href="https://code.google.com/p/selenium/wiki/PageObjects">https://code.google.com/p/selenium/wiki/PageObjects</a>
  - 2, https://github.com/Bumblebee/Bumblebee











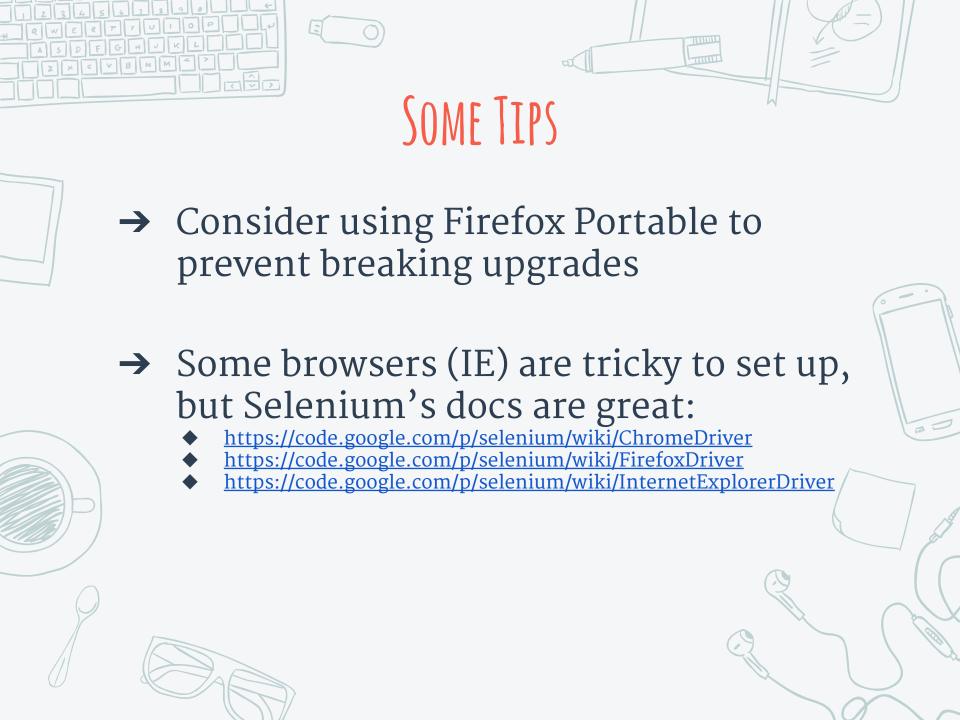




- → Automatically run selenium tests:
  - Every dayUsing scheduled tasks
  - Better also on every deploy!
     Using deploy scripts
  - Even Better also on every commit! Using build/deploy scripts

Here at Jetabroad, we use the following:

- 1. Automated build: <a href="https://www.jetbrains.com/teamcity/">https://www.jetbrains.com/teamcity/</a>
- 2. Automated deploy: <a href="http://octopusdeploy.com/">http://octopusdeploy.com/</a>









# THANKS!

## Any questions?

You can find me at:
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Slides will be posted on meetup.com







