Browser Automation

Use Cases

— Repetitive tasks

— Acceptance testing

— Regression testing

What is Selenium

— Browser automation framework

— Written in Java

— Sends commands to browser via "drivers" (WebDriver)

    — All major browsers, desktop and mobile 🔗

— Available IDE and FF extension

Setup

— Selenium

— WebdriverIO

API

— WebDriver APIs 🔗 🔗

— WebDriver IO API 🔗

Demo

— Simple

— Facebook (task automation)

— Mocha

— Cucumber

Should/Can we do this?

— Testing UI is hard because its usually not fully defined until launch

— Test business-critical functionality

— Realistic use cases:

  — We inherit a code base from a client and are tasked with maintenance + new features

  — We develop a new site with business-critical transactions (forms)