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# GRUNTJS: AUTOMATE THE BORING STUFF

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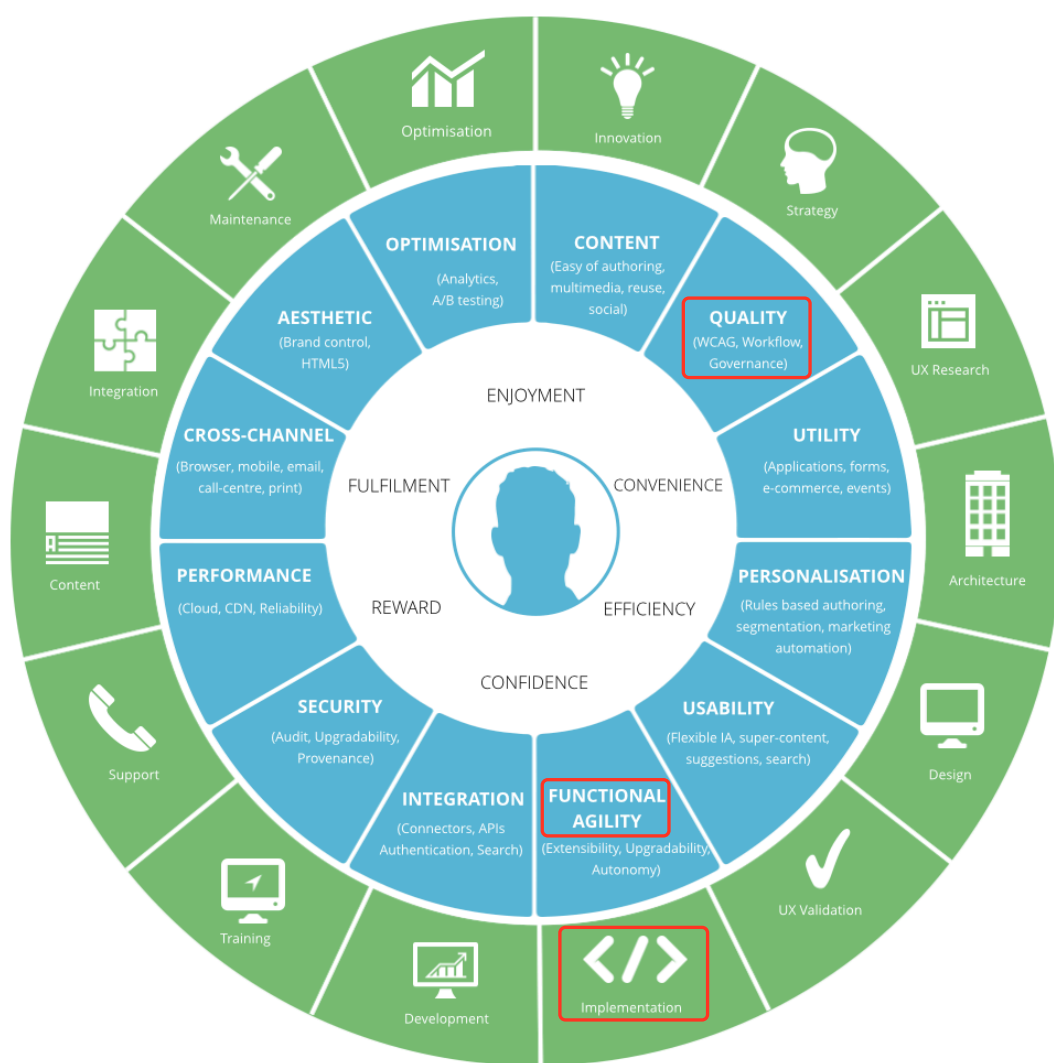


# My Talk

- About me
- Look at the UXP wheel
- Framework adoption statistics
- Why agility is king
- Grunt overview
- Live demo (yep live demo) 🎨

# About Me

- Head of Web Solutions at Squiz UK
- Working with clients to define the **solution** landscape
- Making it possible to **connect** systems together
- Able to have a holistic view of different industries and how they leverage Squiz Solutions



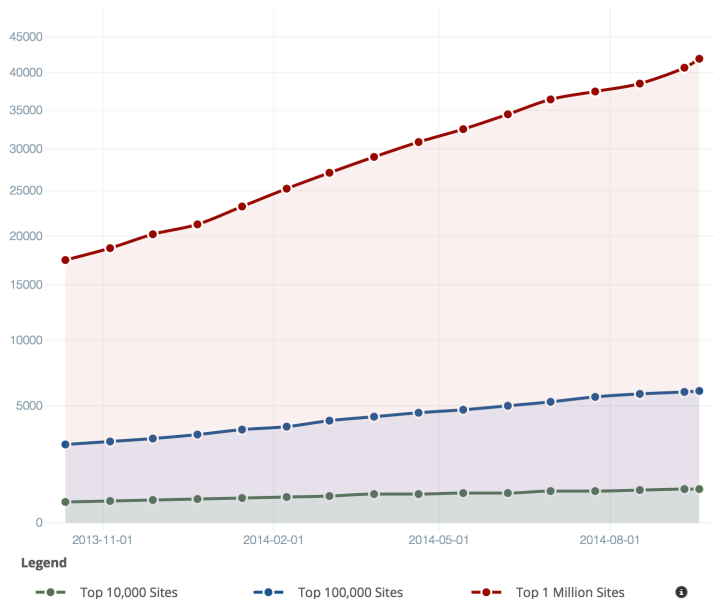
# Implementation

- Important to build in flexibility from the start
- Allow people to extend an application or website from a solid base/foundation
- Thinking about how the implementation will evolve and the different use-cases
- Frameworks such as Bootstrap, Foundation, Grunt, Angular, Gulp, Less, Saas etc. make it easier to streamline any workflow and enables developers to focus on being creative, once
- Website are now converging towards a more “unified web”

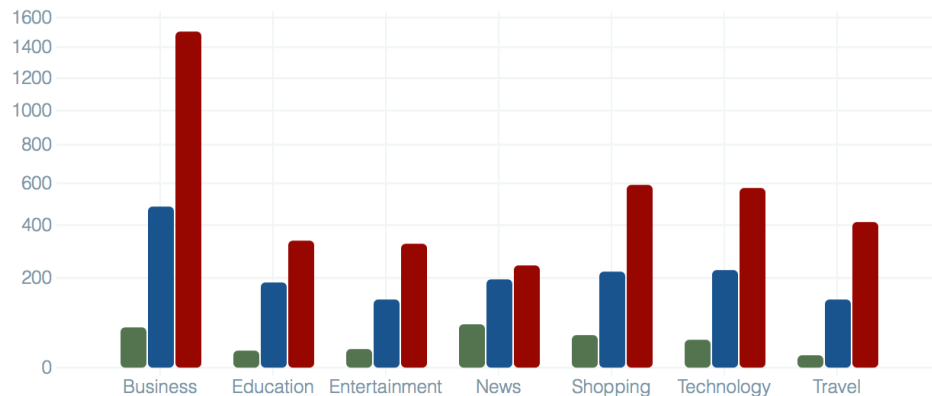
# I<3 stats

## Twitter Bootstrap Usage Statistics

Websites using Twitter Bootstrap



### Twitter Bootstrap Popular Website Verticals



#### Legend

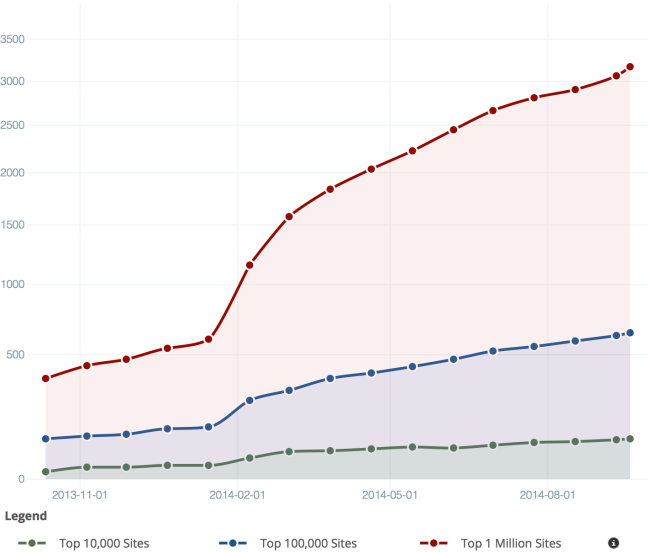
Top 10,000 Sites    Top 100,000 Sites    Top 1 Million Sites

This chart shows the amount of websites within the top 10k, 100k, and 1 million sites groups that are categorized as being in the specific vertical.

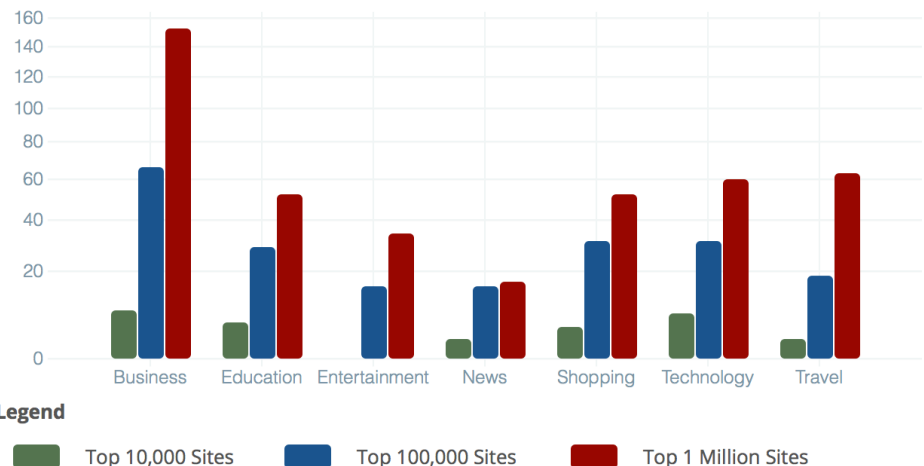
# I<3 stats

## Foundation Usage Statistics

Websites using Foundation



### Foundation Popular Website Verticals



This chart shows the amount of websites within the top 10k, 100k, and 1 million sites groups that are categorized as being in the specific vertical.

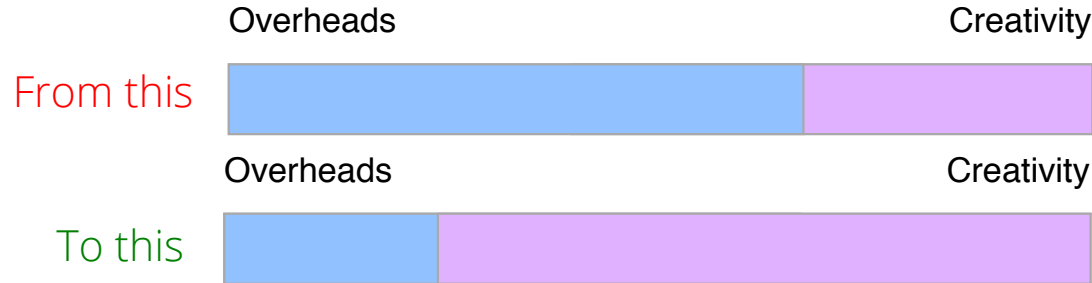
# What Does This Mean?

- Users are more demanding of their website experiences
- Speed, functional diversity, **quickly responding to needs**
- Differentiating factor is becoming more and more blurred
- Emotive responses to experiences are more common than before



# Agility is King

- Responding quickly to user demands is important for retention
- Having the flexibility in the technology is key to achieving this
- Having a **workflow** that is streamlined and lean
- Focus more on being “creative” and reducing the “overheads”



# How do we get more agile?



# Grunt: The JavaScript Task Runner



# More About Grunt

- Node based so its command line (get used to it)
- Task runner that automates repetitive actions such as minification, concatenation etc.
- Does the mundane work allowing you to focus on what's important
- Becoming more and more ubiquitous in the industry
- Has more than 3600+ plugins to date!

# Why Grunt?

- Large community following compared to Gulp and Brunch
- Grunt can be fitted around existing platform solutions and workflows
- Write your own plugins
- Cross platform (Windows, Linux and OSX)
- Grunt is **fast** (not like Pumba)

# Basic Principles

- Must have NodeJS installed
- “Gruntfile.js” – What to run
- “package.json” – What to install
- “src” folder – Where to source things from
- “dist” folder – Where to put things once Grunt has run

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# DEMO: USING GRUNT

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# Useful Links

GitHub Page: <https://github.com/surensilva/connect2014>