

TESTING

Week 4: Go Live

QA and QC

- **Quality assurance (QA)** is a set of activities for ensuring quality in the processes by which products are developed.
- QA is a managerial tool
- **Quality Control (QC)** is a set of activities for ensuring quality in products. The activities focus on identifying defects in the actual products produced.
- QC is a corrective tool

AGILE QA

- Agile methodology is an alternative to traditional project management.
- Incremental
- Iterative

AUTOMATED TESTING

- Automated software testing is a process in which software tools execute **pre-scripted tests** on a software application before it is released into production.

WHAT ARE WE
GOING TO TEST?

CONTENT

- Broken links
 - <http://validator.w3.org/checklink>
 - http://iwebtool.com/broken_link_checker
- Spelling and grammar
 - Capitalization
 - Writing Style
 - Word Variations e.g. UK vs US

BROWSER

- BrowserShots.org
- Webpagetest.org
- browserling.com

MOBILE

- Use 'viewport' meta-tag
- Use correct input types
 - Input type: Email, Url, Phone
 - <http://diveintohtml5.info/forms.html>
 - <http://html5tutorial.info/html5-contact.php>
- Mobile Emulators
 - Chrome
 - <http://www.webdesignerdepot.com/2012/11/6-free-mobile-device-emulators-for-testing-your-site/>
- Test with real devices

USABILITY

WHAT: It is the ease of use and learnability of a human-made object.

WHY: If a website is difficult to navigate or doesn't clearly articulate a purpose, users will leave.

- Custom 404 page
- Favicon
- Use friendly URLs
- Print-friendly CSS

ACCESSIBILITY

- Accessibility validation
 - Common problems and solutions - <https://accessibility.oit.ncsu.edu/accessibleu/problems.html>
 - IDI Web Accessibility Checker - <http://achecker.ca/checker/index.php>
 - Screen reader - <http://www.nvaccess.org/>
 - Color contrast - <http://www.checkmycolours.com/>

MARKUP VALIDATION

- HTML validation - <https://validator.w3.org/>
- CSS validation - <http://jigsaw.w3.org/css-validator/>
- Internationalization (i18n) - <https://validator.w3.org/i18n-checker/>

PAYMENT