

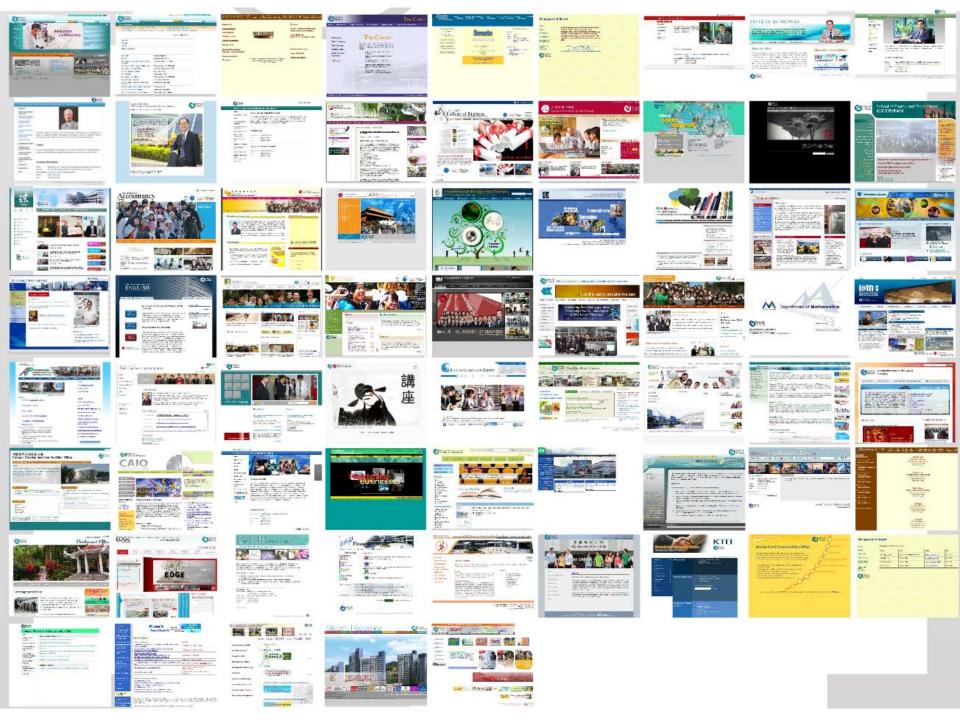
Mobility, Accessibility, Searchability, Usability

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#### Our Pains (2011):

- 100 websites
  - ■~500,000 pages
- Not accessible
- No SEO
- Not user friendly
- Inconsistent info architecture
- No mobile support

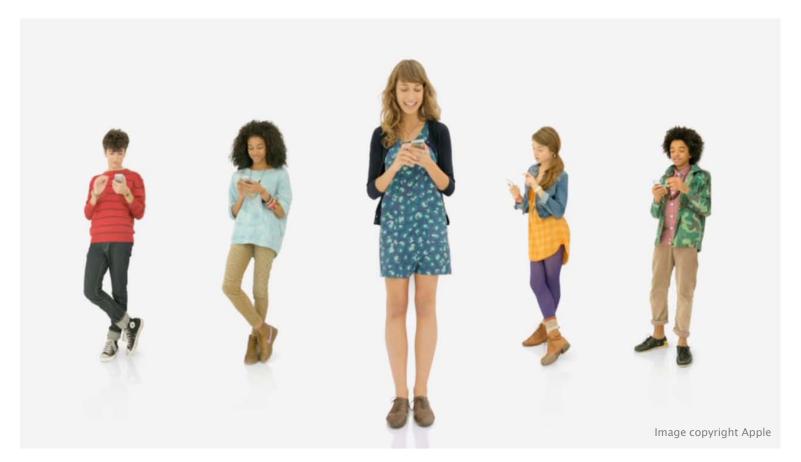
## #1 objective

Support all popular browsers



## **\*\*2** objective

Support all popular devices



## **#3** objective

Support everyone



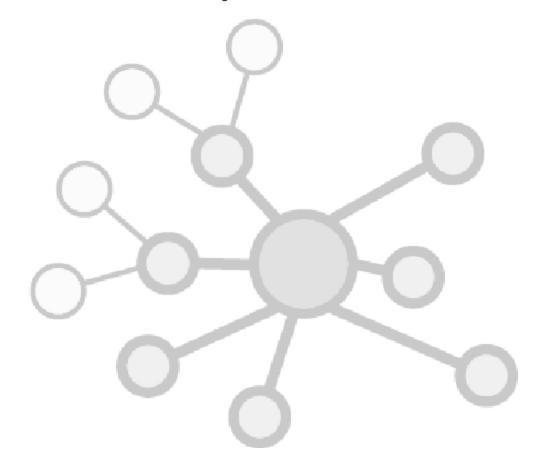
# #4 objective

Make sure it is searchable





Make info easy to find



## **#5** objective

Make it user-friendly



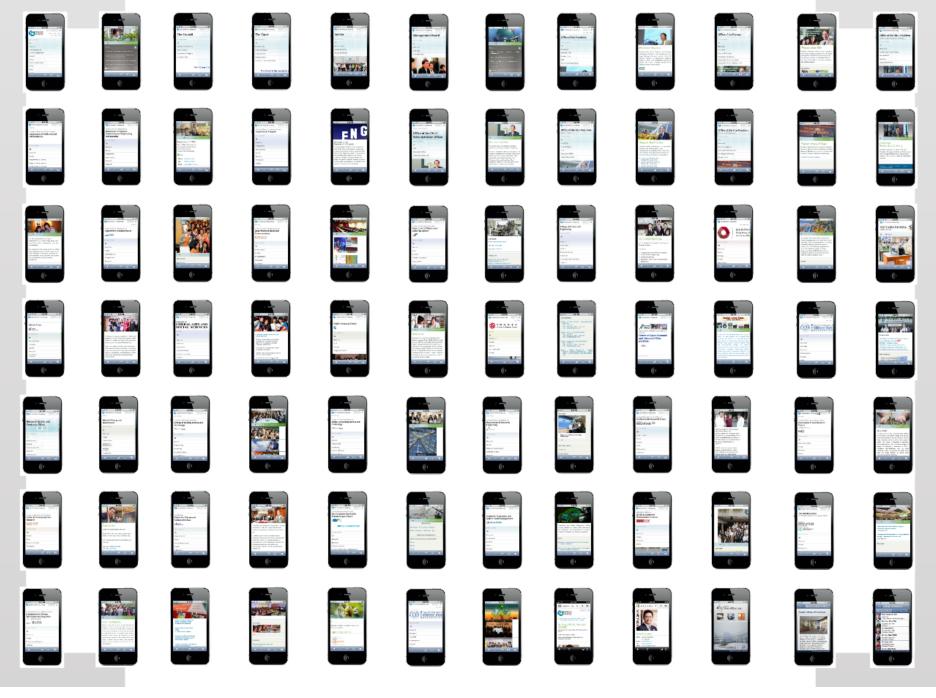
## **#7** objective

Strengthen brand







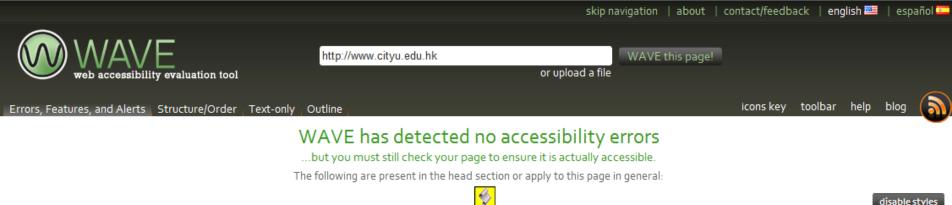


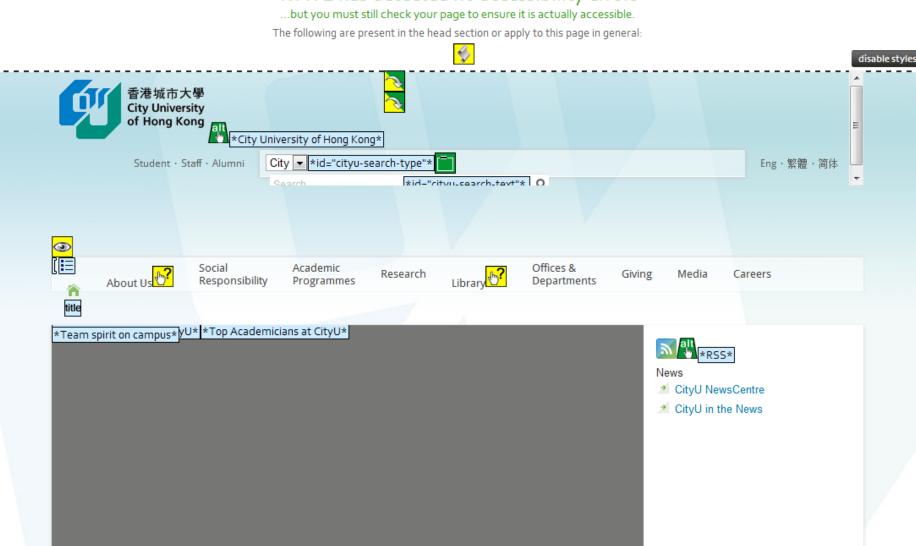
#### Works on All Popular Devices















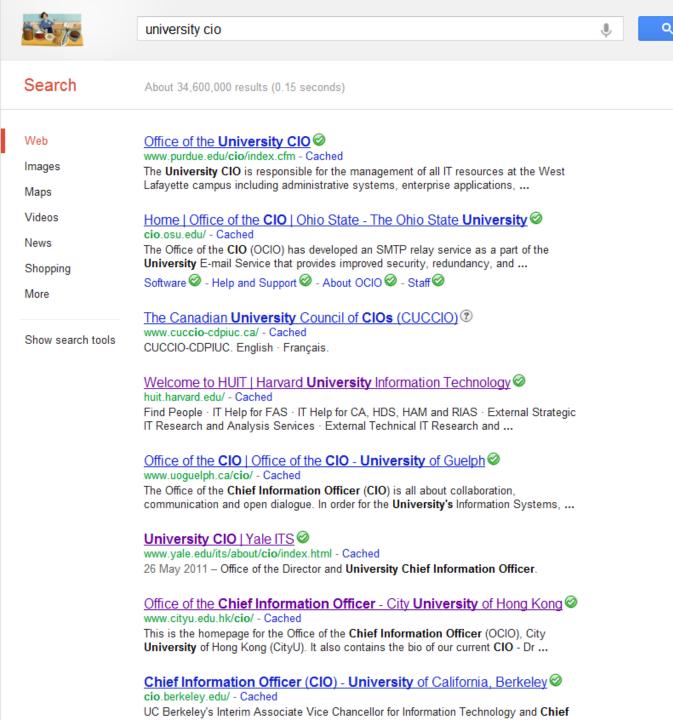
Check Accessibility By: Web Page URL HTML File Upload Paste HTML Markup Address: http://www.cityu.edu.hk Check It Options



Accessibility Review
Accessibility Review (Guidelines: WCAG 2.0 (Level AA))
Known Problems (0)   Likely Problems (0)   Potential Problems (485)   HTML Validation   CSS Validation

Web site engine's code is copyright © 2011





cshwchun...

+ Share



#### What is SEO?

- •Search Engine Optimization 搜索引擎優化
- SEO is the process of optimizing website ranking in "organic" (un-paid) search

#### Top 2 SEO Tasks

- Make sure search spider can:
  - 1. Read your site
  - 2. Truly understand the content structure

# "The most important blind visitor to your website is Google!"

Jim Byrne Founder of Guild of Accessible Web Designers



#### Based on Web Standards

- WCAG 2.0 (AA)
- HTML5
- CSS3
- JavaScript



### Responsive Web Design



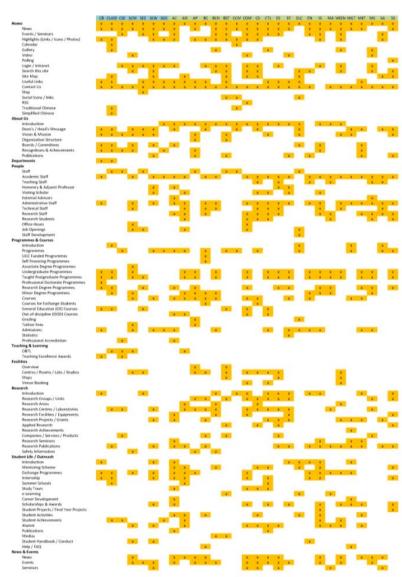
## Styling

- Branding Hierarchy
- Style Guide
- Standardize Nomenclature

#### Template-Driven



#### Optimized Info Architecture



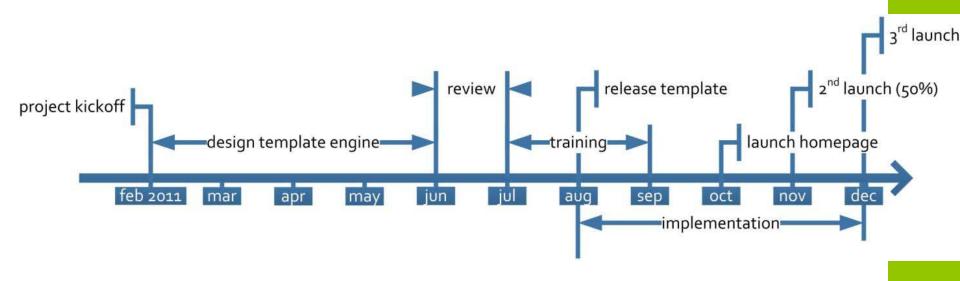


#### Template-Engine



templates/html5 css3 javascript seo accessibility

#### Project Timeline



#### Template Design

Every websites are made accessible out of the box

- Predefined heading hierarchy <h1> <h2>
- Predefined theme with sufficient color contrast
- Predefined skip links
- Support keyboard navigation
- Tested with some popular screen readers
- Validated against WCAG2.0 (AA)

### Template Design

... with added features, many of which overlaps with web accessibility:

- SEO
- Mobile web
- Browser compatibility
- Printer friendly
- Corporate branding
- Consistent layout
- Standardize nomenclat



Copyright © City University Web standard compliance

#### Implementation

## Web developers fill in content and information like:

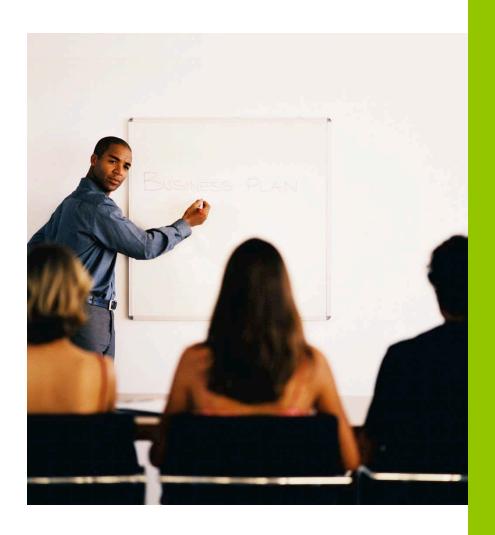
- Meta tags of individual website
- Alt text for images
- Meaningful hyperlinks

#### ... and avoid accessibility traps:

- Avoid JavaScript, Flash, ActiveX, Applet, etc. for important functionality
- No Frames
- No Pop-ups

#### Quality Assurance

- Guidelines
- Documentations
- Demos
- Workshops
- Reviews
- Validations
- Etc.





#### First!

- •1<sup>st</sup> University in the world with mobile support for all websites
- One of few universities in the world to support HTML5/CSS3
- Plus accessibility + SEO
- Follow usability guidelines

#### Innovations

- Technology platform
- Projectmanagementapproach



#### Awards!

- 2012 Computerworld Honors Laureates (Washington DC)
- ■2012 CIO Award (CIO Asia Singapore)
- 2012 FutureGov Awards –
   Winner of "Digital Inclusion"
   (Chiang Mai)



#### Accessibility + SEO

- For a new website, implementing
   Web accessibility does not take a lot more time
- Getting accessibility right is a great start for SEO
- Accessibility and SEO share similar techniques

