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## Responsive Design and the Web Awards at Library ITT Dublin

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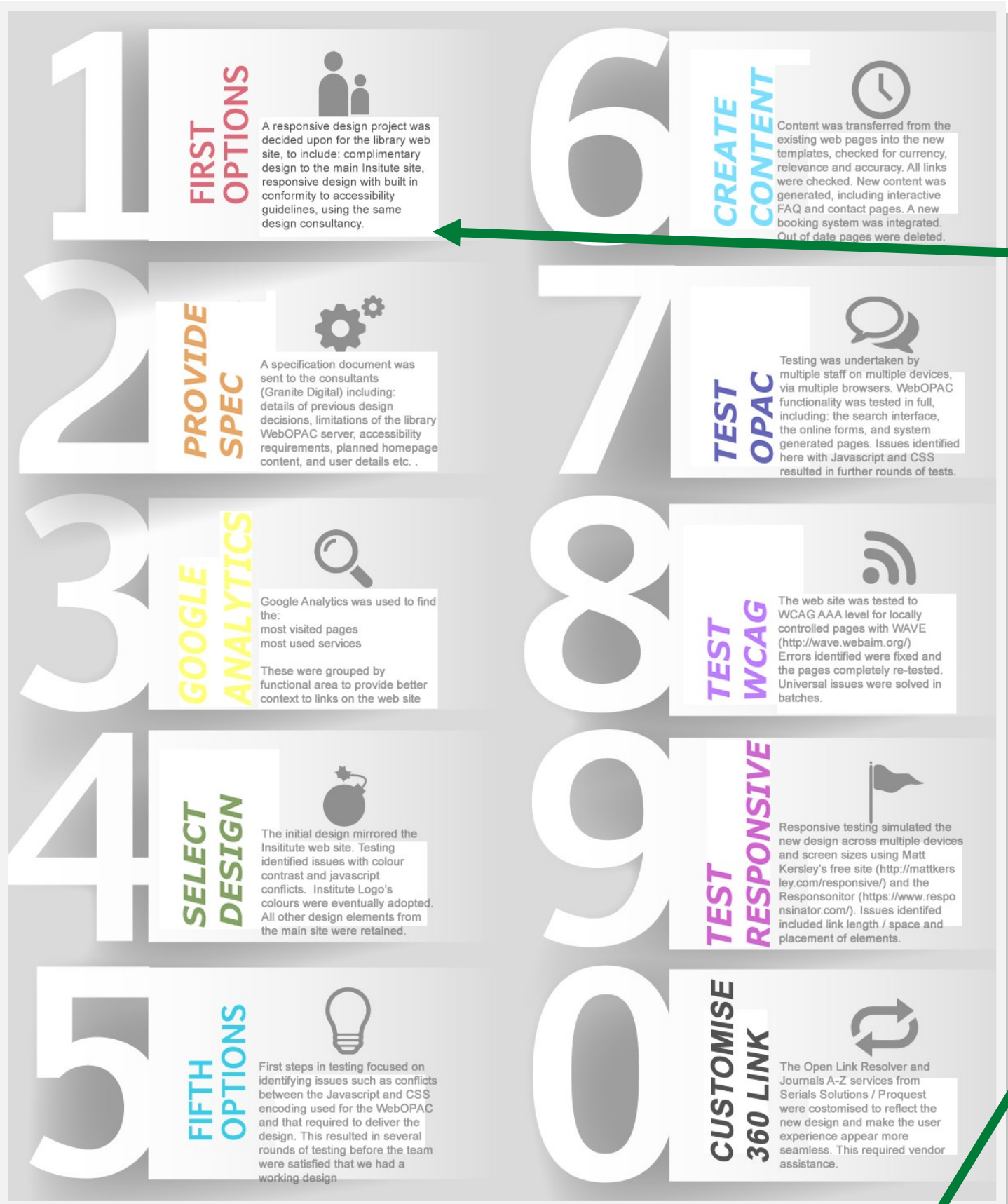
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# RESPONSIVE DESIGN AND THE WEB AWARDS @ LIBRARY ITT DUBLIN

## DESIGN PROCESS



## PROJECT DETAILS

### INTRODUCTION

This poster details the responsive web design project at Library ITT Dublin, and how it came to reach the final of the Web Awards in 2014. Library ITT Dublin is a small academic library, with c 6,700 registered users, and a staff FTE of 10.

### DESIGN PROJECT

The design is the result of collaboration between Library ITT Dublin and Granite Digital. A detailed briefing document and guidance to base the design on the ITT Dublin web site provided the beginnings of the discussion. This outlined several challenges as to how the pages are constructed, for the design team, as there are pieces of functionality on the Web OPAC server which are 'black box'. Eventually solutions were found to all the issues except where code was generated by the system, and not accessible to edit.

The selection of the final design was the longer part of the project. It required significant testing, and retesting to ensure that the final design was compatible with the proprietary Web PAC Pro platform from Innovative Interfaces, on which it would be hosted, in addition to being responsive in nature, and accessibility standard compliant.

### BRIEFING DOCUMENT

This large document was submitted to Granite Digital, our design partner, after a review of the literature, other library websites, and previous internal documentation about the web site; which was generated as a result of a large scale review of library web services previously.

The briefing document included an outline of previously made design decisions by the web team, and an explanation of how the Web OPAC file structure works, in addition to outlining the responsive and accessibility requirements of the project. For example:

- A single CSS file
- Toplogo.html, botlogo.html and the actual file to generate the page
- Web options inserting code into all files
- Tokens

It was created after a review of the list of top Web OPAC's from ILL, and the library web sites of the top 100 ranked universities, for functionality, content, placement, search provision etc.

### THE FINALISED WEB SITE

The Library's website provides access to multiple information sources via a single central online service. A bento style search box offers all the search options a user needs from a drop down menu, with the integrated resource discovery layer (Summon) providing the default search location, with search results from multiple search targets in one unified cloud hosted search page. These services are made available to the library's patrons via an accessible standard compliant (WCAG AAA tested) responsive site design. The web site is designed so that the most used pages and services are linked directly from the top of the page, and the search facility is highlighted by being placed in a large blue circle under the heading 'Search' in the top right section of the page, thus reducing the need to scroll or surf through the site excessively. Most pages in the site are available within three clicks of the homepage. HTML 5, CSS3, JavaScript and iframes are used to place information in the relevant positions, without the need to visit several library sources. Where possible technologies were leveraged to provide improved or more integrated services.

There are 100's of pages on the site itself, creating a rich information resource for users, including Subject Portals to: Subject supports details, Subject Guides, Subject Internet Gateways, (discipline related online sites databases and services, help and support services), help and FAQ pages and forms, online chat for support, all searchable via a google site search. These were created from templates, based on the nature of the page content. Additionally a suite of interactive learner support tutorials is provided to assist students in the transition to the third level academic skill set.

### PERSONALISATION

Once logged into the library OPAC the user subsequently has access to additional services, functions and their personalised account such as:

- View & update account details
- Renew loans (12% of all circulation transactions since April 2014)
- Place a hold on a book on loan
- Request a title not in stock
- Save searches
- Create lists of titles
- View their reading history
- Export in a bibliography friendly format
- Rate materials
- Book rooms and equipment
- Access online databases, journals and e-articles.

### DATA AND METADATA SOURCES

Multiple sources of data and metadata are leveraged to enable the provision of information to users. These sources include:

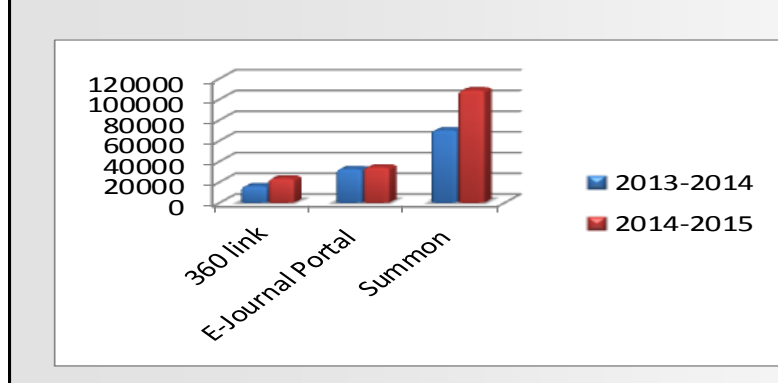
- Local Data
  - The metadata stored on the library's server, (which hosts the Web OPAC and the library's website):
    - +36,000 physical items
    - Exam Papers. c. 123,000 downloads since the site went live
- External data and metadata embedded and integrated into the site
  - Online Books 342553
  - Online Journals 109078
  - 356 databases
  - Library information blogs
  - Online library calendars and booking systems
  - RSS feeds

### FEEDBACK

The new site went live over Easter 2014, and based on feedback over the remaining weeks of semester some links were relocated on the toplogo.html page to make them easier to locate.

Feedback overall was positive, with student feedback at programmatic review boards indicating that the redesign was successful in making it easier for students to locate the information they need.

### INCREASED INFORMATION RESOURCE USAGE



Summon, 360 Link Open URL & E-Journal Portal Use: Apr '13 - Mar '14 & Apr '14 - Mar '15

USAGE	2013-2014	2014-2015
360 link	16186	23594
E-Journal Portal	32735	34420
Summon	70216	108806

### THE WEB AWARDS PROCESS

As a result of the success of this project the Institute Librarian nominated the redesigned site for a web award. Nominations opened in September and required details of why the web site should be considered for the awards to be submitted. The nomination is submitted via an online form and is limited in length.

Other nominees in the Education and Third Level Category included:

- NCAD
- Griffith College
- The Medical Council
- UCD
- WIT

Once the nomination was accepted the site was evaluated by a large panel of reviews, and after a wait the library was informed that we had reached the Quarter Final stage.

Each subsequent stage whittled down the list of entrants further, however, despite the sometimes nail biting waits between stages and heavy competition the site made it to the finals. Winners were announced at an awards ceremony in October.

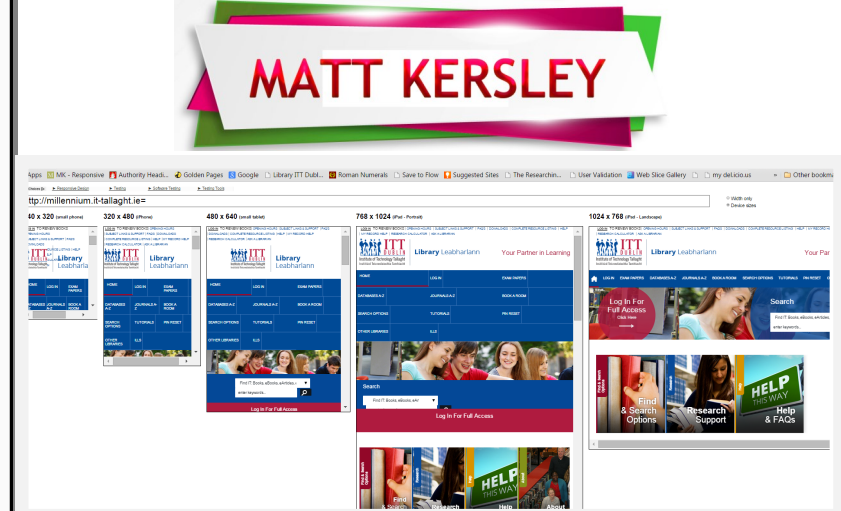
## PAGE LAYOUT

- The new page layout for the homepage is explained below. It indicates where the Innovative Interfaces Inc. files begin and finish, where JavaScript and css3 are applied, and highlights specific features of the design:
- Main navigation menus
  - Rotating images
  - Bento style search box, for search options
  - Tabs with hidden content
  - ChilliFresh chat widget
  - RSS feed from the library blog
  - Add this sharing
  - Cookie directive pop up
  - Springhare libcal for opening hours



## RESPONSIVE TEST

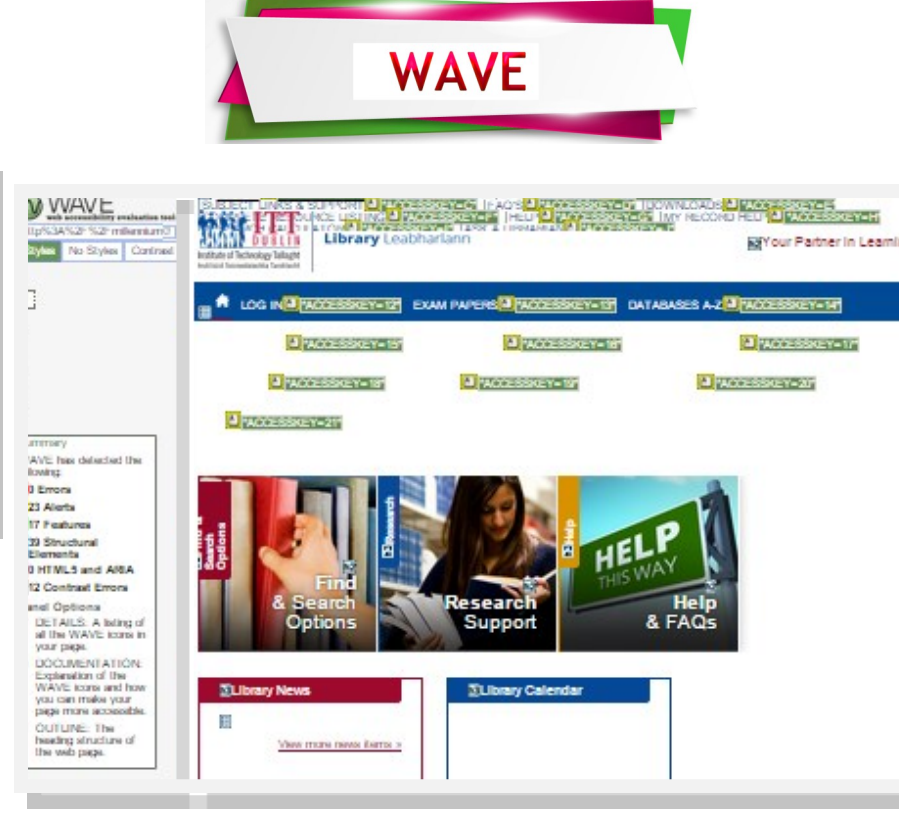
A review of responsive testing left us with two candidate web sites, which were free to use: Matt Kersley and Responinator. The Web Team collectively decided that the Matt Kersley site was more user friendly so we concentrated our efforts there. These sites simulate the web site across varying screen sizes and devices to save on the amount of time required for live testing on actual devices. A screen shot from each is below.



- ### USEFUL LINKS
- #### LIBRARY WEB SITE
- <http://library.ittdublin.ie>
- #### WEB AWARDS
- <http://webawards.ie/>
- #### MATT KERSLEY
- <http://mattkersley.com/responsive/>
- #### RESPONATOR
- <https://www.responinator.com/>
- #### WAVE
- <http://wave.webaim.org/>
- #### ACHECKER
- <http://achecker.ca/checker/index.php>
- #### FREEPICK
- <http://www.freepik.com/>
- #### ADOBE COLOUR CC
- <https://color.adobe.com/>

## ACCESSIBILITY

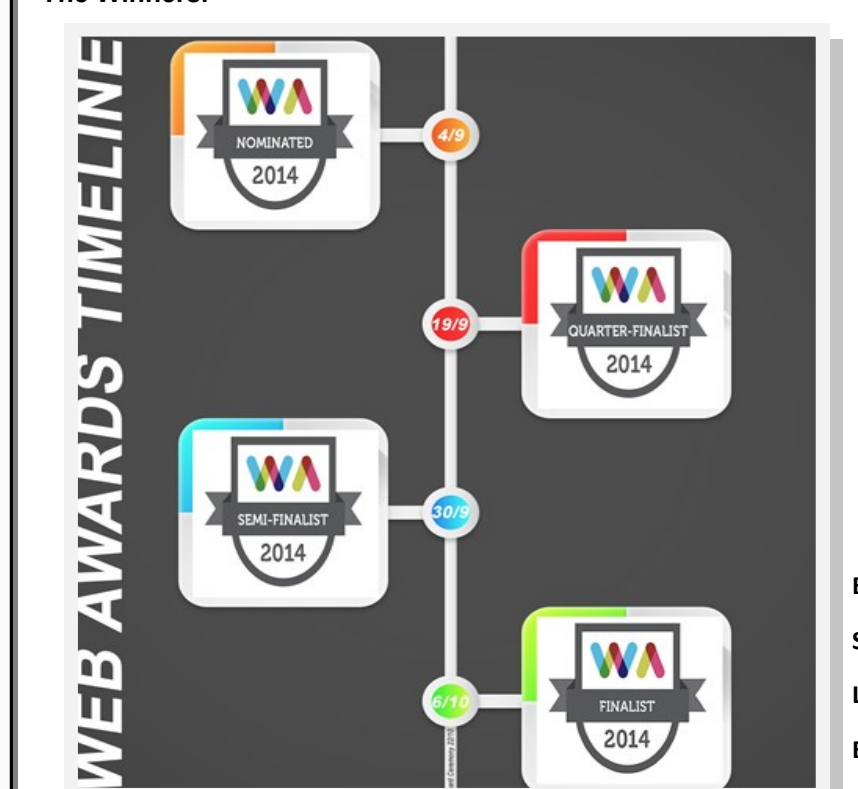
While accessibility was built into the design, this was achieved by testing, from the proposed designs through to the final pages. The websites below were chosen to ensure that the design was WCAG AAA compliant in as far as is practicable, within the limits of the ILL platform and code. WAVE is particularly strong on identifying errors and providing guidance on how to correct them, while AChecker is a great counter balance to it, providing alternative problem solving advice. The screen shots below are for the same page, but on each of the individual sites. These sites are free to use.



## WEB AWARDS

### TIMELINE:

Web Awards Process from Nomination To The Announcement of The Winners.



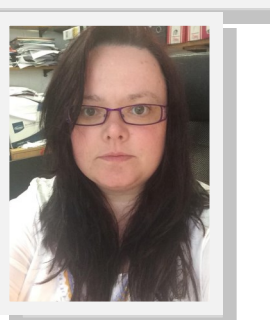
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## DESIGN TEAM



## INFORMATION INTEGRATIONS



## TECHNOLOGIES LEVERAGED

