

## WWW104 Assignment 1

To be completed no later than November 6, 9am

Value: 50% of final mark for WWW104

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### Instructions

You have been hired by the League of Heroes, a collection of some of Earth's mightiest costumed superheroes! To announce themselves to the public as Earth's mightiest team, they want to launch a stunning responsive website to brag about (using of course only cutting edge HTML5 technology) and want it to work flawlessly in modern browsers.

Your task is to create this site. While the specific number of pages, information, etc. is ultimately up to you, it must:

- Contain a home page, "Our Team", and "Contact" at a minimum.
- The home page should include a responsive slideshow with pictures of their staff, heroes, crime-fighting etc. They want at least 5 slides. Additionally, they want the textual content of this page in 3 columns for desktops, 2 columns for tablets, and a single fluid column for phones.
- The contact section needs to contain a phone number, an email address, and a contact form (the form will not be fully functioning and the form data will not be sent on submit).
- You can use the textual information about the League provided to you (league\_of\_heroes.txt), but you can also write your own. In any event, use real content (ie: not Lorem Ipsum).
- You should only use images that you either create yourself, or can be obtained on a royalty free site such as istockphoto (for the purposes of this homework, watermarked images are acceptable). Please put an HTML comment on the bottom of each page attributing the origin of every image you used on that page. If you created the image yourself, then give yourself credit!  
There will be a grade penalty if this does not appear.
- The site must be designed to adapt to tablets and smartphones, and also traditional desktops.
- You should be following good coding standards in your organization, as outlined in class. This includes external css, smart folder setup, file organization, etc.
- You should use font icons where appropriate to visually communicate with your visitor. Good logical spots would include an envelope beside your email contact, etc. Prove to me you understand icons.
- All code must be properly laid out and commented. Your HTML pages should make considerations for non-standard users (blind, assistive devices, etc.).
- Use semantic markup where necessary (Header, Footer, Headings, Paragraphs, alt etc.).
- You should include a meta tag for "author" crediting yourself on every page.
- You are NOT to build the site with a Dreamweaver template. Note that use of Dreamweaver is fine, they simply do not want the design based on DW templates specifically (ie: .dwt files).

- All pages on the site should be valid HTML5. Please validate. Your site must validate or include comments for any invalid code - a 2% penalty PER ERROR displayed by the validator will apply here.

The League would like all “versions” of their site to be designed according to web standards and be aesthetically pleasing, however the smart phone version of their site should omit (hide or remove) the slideshow on the home page (they’ve decided this won’t be important to customers on their phones).

Other visual changes are welcome and wanted - show off your creativity! You should use a library or framework such as Bootstrap to construct the site. While Bootstrap is encouraged, it is not required should you choose to pursue another well-known library/framework (ie: Foundation). You can optionally roll your own solution.

They do not want their site to look like an unmodified site built on a framework. They strongly feel that you should modify the default colours, styles and general appearance of the pages. In general, they don’t want someone familiar with bootstrap to be able to look at their site and say “that’s obviously a bootstrap site” simply by looking at it. This is worth 30% of your grade, do not simply change the colours of a few headings, it is important that you demonstrate mastery of the framework; every major element should be modified in some way. Prove that you understand what you are doing here.

You CANNOT use a pre-existing template or work. Bootstrap comes with several example layouts, and layouts are easy to find on the net - DO NOT USE THESE. All the code must be from you.

This extends to examples we did in class. Do not re-purpose that work - this should be an original design and not a copy/paste or collection of existing works.

Grades:

- Use of a framework to achieve a responsive design in at least 3 resolutions - 25%
- Displaying all of the information they’re looking for - 15%
- Modifying the default look and styles of the framework - 30%
- Original design - 15%
- Following best practices for coding, layout, file organization, etc., and identifying the origin of your images - 15%