



Santa Clara

University

Lab 2

Basic HTML and CSS: Responsive Pages

Web Usability - COEN 163
4 units

2021

Due: Friday, January 25

Use the page layout you created through Lab 1 to create the responsive pages layout examples below:

a) From top bar navigation to Left Nav Flyout navigation on mobile device

The diagram shows two responsive designs side-by-side. On the left, labeled 'On desktop display', is a wide layout featuring a top navigation bar with 'LAB 1' and four links: HOME, ABOUT, WORK, and NEWS. Below the navigation is a large central image of a city skyline at night. To the left of the image is a 'Title Head' section with placeholder text, and to the right is a 'Side Bar' section with similar placeholder text. At the bottom are four small thumbnail images. On the right, labeled 'On mobile device', is a narrower layout. The 'LAB 1' navigation bar remains at the top. A vertical menu icon (three horizontal bars) is positioned to the right of the navigation. The main content area is reduced, showing only a portion of the city skyline image. The 'Title Head' and 'Side Bar' sections are now stacked vertically on the left side of the content area. The four small thumbnail images are also present but appear smaller due to the reduced width.

On desktop display

On mobile device

b) From top bar navigation to Toggle Navigation on mobile device

This diagram illustrates another responsive design transformation. The 'On desktop display' version on the left has a standard top navigation bar with 'LAB 1' and four links. The main content area includes a city skyline image, 'Title Head' and 'Side Bar' sections, and four thumbnails. The 'On mobile device' version on the right shows a collapsed state where the top navigation bar includes a toggle icon (hamburger menu). The main content area is simplified, displaying only a portion of the city skyline. The 'Title Head' and 'Side Bar' sections are no longer visible as separate components; instead, the page content is presented in a more compact, single-column layout.

On desktop display

On mobile device

Requirements:

- Use only HTML, CSS and JavaScript.

Deliverables:

- Validate HTML and CSS at:
<http://validator.w3.org>
<http://jigsaw.w3.org/css-validator/>
- Compress all HTML and CSS files into one .zip file.
- Submit .zip file on *Camino*



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- Submit a separate .pdf file with all codes you used,
- Use your first name initial-lastname to label both the compressed file and the .pdf code files.

Grade 5%

Resources:

HTML: <http://www.w3schools.com/html/>
HTML5: http://www.w3schools.com/html/html5_intro.asp
CSS: <http://www.w3schools.com/css/default.asp>