

**Objective:** Implement three tasks related to course project.

In this assignment, you have to roll up your sleeves and work to *enhance and extend* the [responsive web site](#) developed by the instructor to include the following:

**Task 1:**

Fill in the HTTP section with some basic info. (4-to-5 short paragraphs) on HTTP, its request/response message structure and headers. **Include a paragraph on caching and another paragraph on cookies.** Include **4 div elements** for the four images from HW2 with a proper caption for each. *Use CSS positioning (tables are not allowed) to have the caption appear below and center of image.*

**Note:** Images and paragraphs take up the whole width – never show side-by-side even if browser window is enlarged.

Add “Grow Image on Hover” effect — See <http://www.corelangs.com/css/box/zoom.html>. *The effect takes place only if window’s width > 900px* (i.e., have the effect conditioned on a media query).

**Task 2:**

Add a smooth-scroll effect as described in <http://zengabor.github.io/zenscroll/>  
■ See the example at <http://liveweave.com/IS42Jv>

**Task 3:**

Make the menu responsive as in <http://medialoot.com/blog/how-to-create-a-responsive-navigation-menu-using-only-css/>

**Readings Only:** Read about Mobile Considerations for “hover” effect at <http://cssmenuaker.com/blog/responsive-menu-tutorial>

**Submission Deadline:** Host your page on *your hosted site* (Do not use liveweave.com). Send the instructor (through e-mail) the page’s URL by Dec. 9, 2016.

You can acquire bonus points by doing either or both:

- 1) Give the site a more polished look (menu, carousel, backgrounds, fonts, ... etc.) using ideas from the templates at <http://freewebsitetemplates.com/> or <http://www.wix.com/website/templates>
- 2) Replace the site’s grid by the grid from [www.responsivegridsystem.com](http://www.responsivegridsystem.com) and modify the Page Layout section accordingly.