# Assignment #1: https://encrypted-tbn3.google.com/images?q=tbn:ANd9GcTLAZpQzmzAPnXtyNCq1onsRE4y0bvoWlMvd3YA8Lt715oLXEJxWAResponsive Web Design

**Due Date: See D2L**

**Instruction**

Use your own code, and do not use any template or gadget library.

The Sample zipped webpage in D2L do not follow responsive web designs. Change it with responsive web design principles.

Requirements:

* 1. Apply the three major responsive design principles to reasonably display the webpage in a smart phone and tablet (also consider the orientation).
  2. Apply one of the patterns presented at <http://www.lukew.com/ff/entry.asp?1514>
  3. Apply the mobile first practice to CSS.
  4. The webpage should be easy to read without horizontal scrolling (panning).
  5. Test the website in two mobile devices (a smartphone and a tablet). Take screenshots in both landscape and portrait orientations.

[Challenge/Bonus]

Develop a simple mobile friendly calculator similar to <http://www.online-calculator.com/simple-full-screen-calculator/>. Use HTML, CSS, and jQuery only. No other third party library is allowed. Required features:

* 1. Exact layout as the example but make it responsive.
  2. Adding effects like hovering or other animations.
  3. Style effects like round corners, shadow, etc.

**Submission**

Submit the following to D2L:

* Compress all source code files into a .zip file.
* A report in Microsoft Word (or PDF), including:
  + Page URL.
  + Describe the testing environment including device model, browser type, and resolutions (viewport size).
  + Screenshots with explanations. Make sure your screenshots are clearly shown and without cropping.

**Grading guide**

* Your grade is determined on how much you have satisfied the requirements specified in the instruction.
* You need to write well-formed and clean code. You should not use any wizard to generate the code, nor should you copy and paste codes from other sources without cleaning it.