

**Programming Assignment #1**  
**“Course Dashboard”**  
**Date Due: Thursday, September 13, 2018**

**Skills:** HTML, CSS, Bootstrap, Javascript, DOM

**Prerequisite:**

It is assumed – for the purpose of this and all subsequent programming assignments in our course – that your home page (<http://venus.cs.gc.cuny.edu/~LLDDNNNN/cs355/> or another URL that you have e-mailed to me) is accessible. If not, please go back and complete Assignment #0.

[In the URL above, LL = the first two letters of your last name, FF = the first two letters of first name, NNNN = the last four digits of CUNYFirst Id, and cs355 should be a lowercase “cs”.]

**Description:**

As described in Assignment #0, each student should have a home page in their Venus account, or another web-accessible server of their choosing, to serve as their course “dashboard”. This will be used by the instructor to access and evaluate the student’s programming assignments.

Essentially, one should have a link to each class assignment, starting with our “Zybook”, and gradually adding other assignments as they are implemented. The site should consider the guidelines and best practices set forth in our lecture on “web design”, and in particular utilize “responsive web design” (RWD).

The choice of how to present this information is yours, but two possible models are:

1. Create a vertical and/or horizontal navigation bar, with a “hamburger”
2. Use large boxes (typically in the center area of the screen) that stack as needed depending on the screen-size

Some helpful links:

[https://www.w3schools.com/css/css\\_navbar.asp](https://www.w3schools.com/css/css_navbar.asp)  
[https://www.w3schools.com/howto/howto\\_js\\_topnav\\_responsive.asp](https://www.w3schools.com/howto/howto_js_topnav_responsive.asp)  
<https://getbootstrap.com/docs/4.0/components/navs/>  
<https://getbootstrap.com/docs/4.0/components/navbar/>

In addition, one (or more) of the links should be dedicated to providing information about the browser, screen, and window.

Some helpful links:

[https://www.w3schools.com/jsref/obj\\_navigator.asp](https://www.w3schools.com/jsref/obj_navigator.asp)  
[https://www.w3schools.com/jsref/obj\\_screen.asp](https://www.w3schools.com/jsref/obj_screen.asp)  
[https://www.w3schools.com/jsref/obj\\_window.asp](https://www.w3schools.com/jsref/obj_window.asp)

Generally, any custom CSS or Javascript that you write should be in a separate file and then referenced from your HTML file.

Credit on this and future assignments will be granted on the basis of both having the requested functionality as well as the user interface and user experience.