CNMS 265: Advanced Website Architecture

Project 3: Media Queries and Responsive Menus

Assignment:

Using your existing files from Project 2, plus the PgwMenu files provided, please add media queries and responsive menus to achieve the results shown in the "Project3_Screenshots" folder.

Requirements:

Feel free to use this list to keep track of your progress.

1. You must correctly link the JQuery library, the PgwMenu script file, and the PgwMenu CSS file. You should have done this in class; please apply what you did in class to your Project 2 files. You are given some JavaScript code to use for this assignment; please paste it just before the closing body tag.
2. You must use media queries to make the following changes to the layout:
   1. at 1025px width and above, the layout should look like the existing Project 2 layout. (2 columns side by side for content and sidebar, the title and ad next to each other, and the middle content area in 2 columns). It is OK if the menu bars look slightly different. See the screenshots for how the menu bars should look.
   2. between 701px and 1024px screen width, the layout should look like the screenshot named 701pxTo1024px.png. Specifically:
      1. Content area and sidebar each take up the entire width of their parent container, so the sidebar content appears below the main content area.
      2. The header ad is no longer visible. It is OK to use `display: none` for this.
   3. at 700px screen width and below, all content (including the middle section of the main content area) should be in a single column that takes up the entire width of the parent container. See the screenshot named 400px.png for details.
3. You must integrate the PgwMenu JQuery plugin in order to make your primary and secondary navigation menus responsive. That is:
   1. As your browser width decreases, the "View More" link on the secondary nav should appear.
   2. As your browser width approaches 400px, both the primary and secondary navigation menus should ultimately collapse to a single "hamburger" icon that can be clicked to toggle the menu on and off.
   3. Your menus should be styled to look like the screenshots. Please see the 400px_menu1.png and 400px_menu2.png files for details about the look of the dropdown menus when open.

JavaScript Code

Please paste the following code before the ending body tag. Note that for this code to work, you must correctly link the JQuery library, the PgwMenu script file, and the PgwMenu CSS file, as you did in class.

```
<script>
// this first line of code adds a "light" class to the secondary nav so that
// the styles start as the plugin's default "light" colored theme.
$('.menu-secondary').attr("class", $('.menu-secondary').attr("class") + " light");

// these next two lines of code apply the pgwMenu to each nav menu.
$('.menu-secondary').pgwMenu();
$('.menu-primary').pgwMenu();
</script>
```

Handing In:

Please make sure your name and the project number are included in the folder name. Example: "Project3_YourNameHere" . Then zip your folder and attach it to the assignment in Blackboard.

Remember to click the Submit button.

Scoring Criteria:

	Needs Improvement	Meets Requirements	Exceeds Requirements
Media queries: appropriate selectors	• Selectors are not appropriate, or are appropriate but do not override existing default styles. **10 points**	• Appropriate selectors for max-width are used • Appropriate selectors are used to override existing default styles. **20 points**	
Media queries: control of float, clear, width, display, and margin	• Project does not show appropriate use of CSS properties to achieve results shown in screenshots. **10 points**	• Appropriate CSS properties are set in media queries to override defaults. Properties are used to effectively create the layouts shown in the screenshots. **20 points**	
JQuery plugin installation	• Plugin files are not correctly linked. **0 points**	• Files for PgwMenu plugin are correctly linked. Body script is correctly applied. **10 points**	
Complex selectors and overrides	• Student has made an effort to style the PgwMenu but is not yet able to achieve a result that is close to the styling shown in the screen shots. **15 points**	• Student shows the ability to choose appropriate selectors and properties for styling the PgwMenu. PgwMenu in student's project is reasonably close to the styling shown in the screen shots. **40 points**	• In addition, styles for hovering are reasonably close to the mockup. Primary and secondary nav icons are both aligned left at small browser sizes. **50 points**