

Test 1 WMDD 4835—001 Summer 2017

- You may use any resources, such as the internet, your notes, and past assignments.
- However, You **may not communicate with any person** other than the instructor or instructional assistant.
- You have **1.5** hours to complete the test.
- Do not modify the HTML except to link additional style sheets.
- **[1 mark]** Create a new style sheet for your CSS.
- When finished, create a zip archive with all necessary files (but not the demo video videos) and submit to D2L. After the deadline has passed on the folder in D2L, you will no longer be able to submit your files. If there is a problem with D2L before the deadline that makes it impossible to submit your files, please submit your files to me via email **before the deadline**.
- Please download the starter files from D2L. I have included a few videos to demonstrate what the finished page should approximately look like. You do not have to worry about minor variations in position, animation speed, or color.
- Two HTML files have been provided for testing. See the instructions and demo videos for details on how each should look (the only difference is the amount of content in the article).
- **Colors:**
 - o **blue:** darkslateblue
 - o **green:** rgb(167,178,116)

TASK 1: LAYOUT

- The **wrapper** div should have a maximum width of 1200px and be **centered** in the desktop layout with no margins in the mobile layout.
- **[10 marks]** Use **only flexbox** for the following layout:
 - o The **nav** bar and **aside** (“ad content”) should have a **fixed width of 200px** in the desktop layout.
 - o The **header** and **footer** should have a **fixed height of 150px**; the footer should either sit at the bottom of the article content, or the bottom of the window, whichever is taller (see demo videos).
 - o The **article** element should **expand horizontally** to fill all available space between the **nav** and the **aside**.
 - o The **article** should **expand vertically** to fill all available space between the **header** and **footer** and the **footer** should remain at the bottom of the screen when there is not much content in the article (see test4835b.html).
 - o If there is only one **section** in the **article** (as in test4835b.html), the **section** should **expand vertically** so that its bottom lines up with the bottom of the **nav** and **aside**.
 - o The mobile layout should have a single column.
 - o The **aside** should disappear in the mobile layout.
 - o Position the social menu icons at the top center of the **footer**.

TASK 2: BACKGROUND

- **[3 marks]** Apply two backgrounds to the body:
 - A **linear gradient** that goes from **transparent** at the bottom to **pink** at the top
 - The image **nathan-lindahl-231628.jpg**.
 - Make sure the image resizes as the window resizes, so that part of it is always covering the window, but it maintains its aspect ratio.

TASK 3: ANIMATION

- **[3 marks]** Style the main menu items so that they grow (using the **transform** property) and change green when you hover over them. When you hover **off** the items, they should quickly shrink back to their original size, but it should take a few seconds for their color to fade back to red.
- **[4 marks]** Use a **keyframes animation** to make the clouds in the header gently float up and down (using the **transform** property).
 - Make sure the animation repeats forever
 - Make sure the animation is smooth and symmetrical – that is to say, the speed of the animation is the same coming up as coming down, and without any abrupt changes in speed.
 - Try to make the animation using only **two key frames**.

TASK 4: ADVANCED SELECTORS

- **[6 marks]** Use advanced selectors for the following:
 - Change the color of the first paragraph text to blue, and increase the size of the text slightly. Implement the drop cap as seen in the video.
 - Make sure the last section of the article lines up on the bottom with the **nav** and **aside**. Make sure this will work regardless of the number of sections in the article.
 - Make sure all text after the **Additional Information h3** is italicized. Do this using only one selector with no commas. (hint: the ***** will be helpful)
 - Insert the social menu icons from Icomoon into the footer. Do not modify the HTML of the document except to link a new stylesheet.

TOTAL: 27 marks

BONUS TASK

- **[+3 marks]** A menu icon has been placed in the **nav**; have the icon hidden in desktop layout but visible in mobile layout at the bottom right corner of the screen. The icon should stay in position as the user scrolls. The **nav** should disappear in the mobile layout. (Later we will use JavaScript to display the menu when tapping the menu button.)