

## Test 1 WMDD 4835—002 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.
- 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.
- **Colors:**
  - o **blue:** darkslateblue
  - o **green:** rgb(167,178,116)
  - o **red:** rgb(205, 93, 91)

### 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.
- **[8 marks]** Use **only flexbox** for the following layout:
  - o The **header** should be **250px** wide and stay on the left side of the wrapper. It should **not** resize with the window.
  - o The **nav** inside the header should extend all the way to the bottom of the page.
  - o The **main** element of the page should shrink when the page width is reduced.
  - o The **aside** within the **main** element should remain at the top of the page in the desktop layout.
  - o The **footer** should stay at the bottom of the page, and the social menu icons should be centered in the footer.
  - o The mobile layout should have a single column.

### TASK 2: BACKGROUND

- **[2 marks]** Apply three backgrounds to the wrapper div:
  - o A **linear gradient** that goes from **transparent** at the top to **rgb(205, 93, 91)** at the bottom
  - o The image **arches.png**
  - o The **color rgba(255,200,200,.8)** (this can be applied to the stack of backgrounds as long as it is at the **bottom** of the stack.)

### TASK 3: ANIMATION

- **[3 marks]** Style the **header** so that when the user hovers over it, it gets a **4px dashed white border** and a background color of **rgba(255,255,255,.5)**. This transition should be animated. When the user hovers onto the header, the transition should take place quickly, but when the user hovers off, the transition should occur slowly. (see demo video)
- **[3 marks]** Style the main menu items so that they grow (using the **transform** property) and change green when you hover over them. This transition should be animated when hovering on and hovering off.
- **[4 marks]** Use a **keyframes animation** to make the background arches image move slowly to the right:
  - o Make sure the animation repeats forever
  - o Make sure the animation is smooth; it should not look like it's stopping and starting.
  - o Try to make the animation using only **two key frames** and try to hide the points where the animation repeats.

### TASK 4: ADVANCED SELECTORS

- **[6 marks]** Use advanced selectors for the following:
  - o Change the color of the **first paragraph of the first section to blue**, and increase the size of the text slightly.
  - o Apply the above text style to the **first line of the first paragraph** of subsequent sections.
  - o 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)
  - o Make sure the paragraph **immediately following each h3** element has blue text that is slightly larger.
  - o Insert the social menu icons from Icomoon into the footer. Do not modify the HTML of the document except to link a new stylesheet. You will need to download these icons, but don't worry about matching them exactly with the video.

**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 main menu should disappear in the mobile layout. (Later we will use JavaScript to display the menu when tapping the menu button.)

*arches.png by Kim Ruddock from <https://www.transparenttextures.com>*