HW6: Static Website Mockup

40 points possible
SWE 432 Fall 2017
Due: 10/24 before the start of class

In this homework, you will implement a static mockup of your web app frontend using only HTML and CSS.

Step 0: Choose a partner
You are again strongly encouraged, but not required, to work with a partner. You are encouraged to work with the same partner as in HW4, but you may also choose to switch groups. You may, but are not required, to reuse any of the code that you or your partner wrote in previous assignments.

Step 1: Build a static mockup of your web app frontend
Your goal is to build a mockup of the look and feel of your front end. That is, you will create three or more HTML documents that are representative of what your web app will eventually look like, containing static content and interactive controls. Your focus will be to describe the visual elements that exist, how they will be laid out, and how they will be styled. You will use CSS to create a visual style for your web app. The only interactivity offered from your web app will be through CSS (e.g., input validation, hover effects). You will not load or send any data to your webservice or write any frontend JavaScript code. Instead, all of the content on your web app will be a static snapshot of your site design, hardcoded in HTML elements you create yourself.

You should strive to build a representative set of pages for your web app, capturing the most important functionality described in your project description. For example, for the FLEXibleNews web app, you might have static pages displaying an example snapshot of news articles, a page containing input elements to create a new custom topic, and a page displaying an image mockup of a visualization showing topic frequency over time.

You may choose to use, but are not required, GUI component libraries such as Bootstrap.

You are welcome and encouraged to consult any publicly available resource you wish (e.g., Mozilla Developer Network documentation, tutorials, blog posts, StackOverflow). However, in this assignment, all of the code you submit should be your own.

Requirements:
- Update your backend to serve static files, including the HTML and CSS files you create in this assignment
- Create at least 3 HTML pages and at least 1 CSS file
- Use of HTML elements
  - <input>
    - At least 3 different types
    - Use <label>
    - Use placeholder text
    - Use pattern for regex validation
  - At least 3 different semantic markup elements (e.g., <nav><article><aside><section><figcaption><address><cite><strong><abbr>)
- Use CSS features
  - At least 4 selector types
  - At least 2 pseudo classes
  - Padding, border
  - Transition
- Follow all best practices and style rules for HTML & CSS given in lecture

Submission instructions
1. Submit your HW through Blackboard. Only one partner needs to submit the HW assignment. The HW assignment submission should consist of a Zip file containing all of the files in your project as well as a pdf or txt file containing
2.
   1. The names of both group members
   2. All of the information described in Step 1.
   3. The URL of your deployed web app on Heroku.

If you are working in a group, submit a statement of contributions through Blackboard. Both partners will separately write a 1 - 2 paragraph statement describing how each of the group members contributed to this HW assignment. This may be submitted as a pdf or word document.

hw6

Updated 6 hours ago by Thomas LaToza

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followup discussions *for lingering questions and comments*

◉ Resolved ○ Unresolved

Anonymous 1 day ago
For this homework, do we need to be able to open an html page from another html page through button click or something? Or is it something to be done using javascript?

Thomas LaToza 1 day ago You do not need to worry about connecting your static HTML pages together.