
HOUSECS 59.03: WEB DEVELOPMENT AND SOCIETY

Programming Assignment #2: Introduction to CSS

GUIDELINES:

Students are expected to adhere to the Duke Community Standard. If a student is responsible for academic dishonesty on a graded item in this course, then the student will have an opportunity to admit the infraction and, if approved by the Office of Student Conduct, resolve it directly through a faculty-student resolution agreement; the terms of that agreement would then dictate the consequences. If the student is found responsible through the Office of Student Conduct and the infraction is not resolved by a faculty-student resolution agreement, then **the student will receive a failing (unsatisfactory) grade for the final grade in the course.**

- Students may work on programming assignments with a maximum of one (1) other individual in the class. However, both individuals should contribute *equally* to the assignment and understand *all* parts of the code written.
- Students are expected to write their adherence to the Duke Community Standard in a README for every assignment. Students are allowed to consult others outside of their group—limited to Duke students and faculty—about the assignment only in a general way, but not actually provide/receive code to/from other students. If assistance is received from other individuals (excluding the instructors), it should be cited in the README. **Students should be prepared to explain any program code they submit.**
- It is acceptable to use *small* pieces of outside code (found on the Internet or otherwise) due to the nature of this course—but not entire methods or programs. Using open source libraries and packages is allowed. If you are concerned whether using a piece of code is within the Duke Community Standard, please ask. *All code used should be properly cited.*
- **All submissions are subject to automated plagiarism detection.** Assignments will be randomly checked using the MOSS Plagiarism Detector.

Please reaffirm your commitment to the Duke Community Standard by signing below. This page should be turned in the day the assignment is due.

Signature: _____

This assignment will be due on **Wednesday, October 18** and should be completed before the start of class. The policy for turning in late assignments is detailed in the syllabus. In order to receive a passing (satisfactory) grade, in addition to satisfying the attendance requirement, students must complete **all** assignments of this course with a total average of 70% or greater.

INSTRUCTIONS:

This assignment will assess your understanding of CSS structure and layout as well as the CSS box model. As part of this assignment, you will create one or more webpages on GitHub Pages that can be accessed at [http://\[username\].github.io/project2/](http://[username].github.io/project2/). You should use Git to track your changes, and your commit messages should be thoughtful and meaningful. The last commit timestamp will be used to determine the submission time of the assignment.

If you are part of a team, the webpages only need to be accessible via one team member's username, but both members should make an approximately equal number of commits to the

project. Both members will earn the same score on the assignment unless the distribution of work is not equal. The assignment will be graded according to the rubric (100 points) below.

You will create a personal website with images and text. The exact content is up to you, but you must follow the requirements specified in the rubric.

The website needs to have a home page with a navbar. The home page should tell us your name (or team's names) and some basic information. The navbar must contain a minimum of three links, one of which *must* be "Home" linking to the home (`index.html`) page; the other two (or more) are up to you, and can either link to different parts of the same page, a different webpage, or an external website. The navbar should be fixed at the top of the screen: scrolling down should *not* make it disappear.

Website content should include both images and text, and it should be easy to read and visually appealing. You can choose the font, font-size, color, and background-color, but ensure that no saturated colors are used as the background color. Leaving it white is perfectly fine: most websites have white backgrounds. You are free to use pictures you find online to decorate your website, but we recommend using images that are labeled for reuse to avoid copyright issues.

RUBRIC:

Proper usage of version control systems (15 points)

- [5 points] README with adherence to Duke Community Standard
- [5 points] webpages accessible at `http://[username].github.io/project2/`
- [5 points] thoughtful and meaningful commit messages

Strong understanding of basic CSS structure (35 points)

- [5 points] properly linked CSS and HTML files
- [5 points] type, class, and ID selectors used correctly
- [10 points] modify a good number of the following to show strong understanding of CSS: color, background-color, font-family, font-size, font-weight, font-style, text-transform, text-decoration, line-height, letter-spacing, overflow, word-spacing, text-align, and text-indent
- [10 points] functioning navbar with at least three (3) links
- [5 points] usage of at least two (2) different positionings (absolute, relative, etc.)

Strong understanding of CSS box model (15 points)

- [15 points] webpage elements are aligned neatly using CSS border, margin, and padding

Clean webpage design (35 points)

- [5 points] no saturated background color
- [15 points] text on webpage is easy to read (i.e. appropriate font, font-size, and color)
- [15 points] webpage is visually interesting and appealing