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/`. 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 pictures and texts. The exact content is up to you but here are some ideas that you can choose to use: your academic interests, a trip, your hobbies, your pet, your plans for the future, etc.

The website needs to have a home page with a navbar. The home page should tell us your name and some basic information about you (if you are working in a group, you can say "Ben and Shrey's Website", and write "I'm Ben. I'm from Shanghai…" in one paragraph and "I'm Shrey. I'm from Virginia…" on the other). On the navbar, there should be at least three links, with one of them being "home", linking to home page. The other two can be anything that's related to your personal life. An example of a navbar would be:

Home   Ben's hobbies   Shrey and his pets

For the other two (or more) links, you can choose between linking to other html documents or linking to different parts of the same page. (i.e. Ben's hobbies can be on a separate html document, or it can be on index.html but after the home screen (page)). The navbar should always be at the top of the screen (scrolling down would not make it disappear).

For the content of the website, you will include both text and images. You'll make them align nicely so that it's easy to read and visually appeasing. You'll have your own choices of font, font sizes, colors and background-colors, but please make sure that no saturated colors are used as 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's labeled for reuse or reuse with modifications 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] correct usage of linking CSS to HTML
- [5 points] type, class, and ID selectors used correctly
- [10 points] modify a good number of the following to show that you have a good understanding of how to customize your website's appearance using 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] navbar is functioning and has at least three links
- [5 points] usage of at least two (2) different positionings (absolute, relative, etc.)

Strong understanding of CSS box model (15 points)

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

Design of your website (35 points)
- [5 points] no saturated background color is present*
- [15 points] the text on your website is easy to read (appropriate font, font size and color)
- [15 points] your website is visually interesting and appeasing (you modified enough CSS so that it does not look plain. It also looks appeasing because the colors are harmonious, images look great and everything aligns nicely)

*you actually automatically fail this class if you did not get this right