



Web Design and Development - Assignment Two

Deadline: Friday 22nd March 23:59 in **GitHub**

Through the first mandatory individual assignment, you got hands-on experience with basic content layout and styling with HTML and CSS. You created a small basic web page using HTML and CSS. In this assignment you are supposed to build on that knowledge. You will add javascript functionality, to the initial HTML structure, to define some page's behaviour.

Most of the fundamental knowledge will be or has been covered in the lectures, but some assignments require you to explore additional resources on the web. Also, just as it is the case in any programming task, Google might be a good companion. He knows all answers to your questions.

Delivery

On `git` before Friday 22nd March 23:59. Using the same git accounts you created, create a new project repository. *The name of the repository must be a concatenation of your name or reg-number and the words 'AssignmentTwo'*. For example: JohnDoeAssignmentTwo or INF-23-2020AssignmentTwo. Using `git` commit your assignment files to the project repository you created. The repository must contain all files necessary to run your solution to the assignment in the browser.

Note that all requirements that the first assignment required of you to be met **must** also be met in this assignment, although that is not the objective of the assignment. For example, responsiveness, semantics and others.

As the course instructors will be using Google Chrome for testing, make sure your solutions work well in this browser. Otherwise, there are no requirements for compatibility with older browsers.

Javascript

This assignment assumes you have prior knowledge of HTML and CSS for structure and presentation, respectively. If you have limited experience with HTML and CSS, we still highly recommend reading the HTML5 Style Guide and any relevant course materials and references so

far given before you attempt to proceed. If you have attempted to answer all lecture 2 lab practice questions and reading assignments, then you are better equipped to proceed with this assignment. Otherwise, we advice to start with those practice exercises before proceeding.

HTML & CSS

You created a .html file with the standard HTML structure. You also set up a basic structure following HTML5 semantics that included a header-element to contain a menu with links to relevant pages and a picture of you. Further, the page included a section that presented all projects that you have been part of, in a list, and/or similar sections with work experience. You also created a .css file and linked to the HTML file. Then you added styles to the different components of the page, so that its design resembled (something like) the layout illustrated in the figure below. Finally, you made sure that your design automatically fitted all screen sizes. For instance, the number of projects displayed horizontally automatically adjusted to the width of the screen. This was tested in the Chrome browser with Device Mode on.

Question

As previously stated, in this assignment you will build on the structure just described above. By adding some behaviour to the web page using javascript. In the first assignment, you had a section that presented all projects that you have been part of, in a list, and/or similar section with work experience.

- I. Firstly, you are required to develop an HTML form for users to type in something. The form should allow users to type in the project name, project description and completion date (Hint: **JavaScript Date object**), which upon clicking submit button, must:
 1. Store the project details in local storage.
 2. Then list the added project details from local storage to the list of projects done on the page. All items must be kept in a single store.
 3. Clear all fields to enter details for next project details.
 4. Finally, make sure each listed project is clickable. And when the user clicks they should be directed to another page that displays all details for that project.
- II. Similarly, if you have a section for work experience present another form for work experience. The form should allow users to type in the organization name they worked at and when (Hint: **JavaScript Date object**), upon clicking the submit button, it must:
 1. Store the details in local storage.

2. Then list the added work experience details from local storage to the list on the page. All items `must` be kept in a single store.
3. Clear all fields to enter details for next work details.
4. Finally, make sure each listed item is clickable. And when the user `clicks` they should be directed to another page that displays all details for that user's work experience.