CCPS530 1J0 - Web Systems Development - W2022   ✉ 💬 🔔   NS

Assignments › Lab 4

Lab 4

▼ Hide Assignment Information

Instructions

Objective:

Write a web page that is fully HTML5 compliant with the following requirements.

Note:

Because of CORS policy, the Ajax might not work on your local machine. Upload your code to GitHub pages and test it there, similar to examples of Module 4 Recordings.

Requirements:

1. The page subject is entirely yours. For example choose a subject, such as cars or supercars. You can use Wikipedia as a source for content and pictures. For example, https://en.wikipedia.org/wiki/Supercar provides a starting place. Note Wikipedia uses a Creative Commons license so you can redistribute any material such as text and/or pictures.
2. Your name must appear clearly on the main page.
3. Your web page must use a Bootstrap navbar.
4. Under the Bootstrap navbar you must have a section (use <div>) that contains an image. You need to use AJAX and every 20 seconds load a different image. Your web page needs to cycle through at least four different images.
5. Under the images from above you need to have a description that describes the image. The description also needs to be loaded with AJAX. The descriptions can be in separate html files.
6. The AJAX calls may be performed with JQuery (no need to use pure Javascript).
7. You must validate your web page for HTML5 and CSS similar to previous assignments
8. **Add screenshots of your webpages to the report**
9. Write a technical report that contains all the following elements:
    a. What HTML5 tags you used and why you chose them?
    b. Compare and contrast JQuery vs plain JavaScript usage when it comes to using AJAX and navigating through DOM of your HTML page.
    c. Which web browsers did you used to view your page and are there rendering differences between browsers? You may add screenshots to your report.

How long did you spend on this lab? Length of time includes readings and research and code experimentation. State time involved in readings and research as well as code experimentation sessions.

Submission:

Two separate files:

1. One PDF containing your report + screenshots of your webpages + validation results (do NOT zip the report with other files otherwise 20% will be deducted. Put all screenshots in the same PDF file, do NOT attach them separately)
2. One zip file containing all files related to your website for the lab

Notes:

- Late submission will receive 10% deductions per 24 hours up to 72 hours. After 72 hours, 0 will be assigned
- Without zip file or without reports at least 50% of the mark will be deducted

Submit   **Cancel**

Due Date

Mar 8, 2022 11:59 PM

Attachments

Submit Assignment

Declaration and Acknowledgement

In completing and submitting this exam, assignment, or quiz ("assessment"), I acknowledge and declare that:

1. The answers that I provide in this assessment will be entirely my own work, except where I have appropriately referenced the work of others.
2. Unless explicitly authorized by my instructor in writing, the instructions provided in the assessment, or an academic accommodation provided to me by Academic Accommodation Support, I understand that I am not permitted to collaborate or otherwise communicate with others during this assessment.
3. Similarly, unless explicitly authorized, I understand that during this assessment I am not permitted to use the internet (except to download and submit the assessment) and consult or use any physical, or digital resources and aids, including personal notes, textbooks, and course materials.
4. I acknowledge that I am subject to Ryerson's policies, procedures, and guidelines. I understand that if I engage in academic misconduct during the course of this assessment, I may be subject to penalties, including those outlined in Policy 60 (Ryerson's Academic Integrity Policy).

For assessments which are being proctored:

1. If the invigilator or instructor requires OneCard identification, the OneCard identification I will provide to confirm my identity is my own and accurate.
2. I understand that in order to administer this assessment, personal information may be collected, including, if the assessment is being proctored, my OneCard identification or a digital streaming and/or recording of me completing the assessment. I consent to the collection, use, and disclosure of my personal information for assessment, evaluative, and course management purposes and any other consistent purposes.
3. I will respect the privacy of all other students completing the assessment and will not collect, use, or disclose the personal information of any other student.

 I affirm the above information and wish to proceed with the assessment.

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