

Assignments > Lab 5

Lab 5

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Instructions

Objective:

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

Requirements:

1. Your name must appear clearly on the main page.
2. The web page needs to consume JSON and render it.
3. AJAX calls using JQuery may be used to consume an external JSON file (downloading JSON and extract information from **key:value** pairs) contained in a text file.
 - a. Watch this video to learn how
4. The following JSON object must be consumed, and its information must be placed in a Bootstrap grid.

```
{
  "name": "Mercedes-Benz SLS AMG",
  "year": 2011,
  "imageUrl": "https://upload.wikimedia.org/wikipedia/commons/thumb/2/2e/Mercedes-Benz_SLS_AMG_%28C_197%29_%E2%80%93_Frontansicht_ge%C3%B6ffnet%2C_10._August_2011%2C_D%C3%BCsseldorf.jpg/800px-Mercedes-Benz_SLS_AMG_%28C_197%29_%E2%80%93_Frontansicht_ge%C3%B6ffnet%2C_10._August_2011%2C_D%C3%BCsseldorf.jpg",
  "engine": {
    "type": "M156 E63",
    "size": "6208 cc",
    "configuration": "V8"
  },
  "brakes": {
    "front": "360 mm",
    "back": "340 mm"
  }
}
```

6. You must validate your web page for HTML5 compliancy at <https://jigsaw.w3.org/css-validator/> and save the report in a file that you will submit.
7. **You should attach screenshots of your webpages to your report**
8. Write a technical report that contains all the following elements:
 - a. What HTML5 tags you used and why you chose them?
 - b. Did you use element CSS classes and/or global CSS classes?
 - c. How did you consume and parse JSON?
 - d. Which web browsers did you used to view your page and are there rendering differences between browsers? You may add screenshots to your report

Submit

Cancel

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
- **PDF Report without screenshots of web pages will receive 0**
- **Not following the submission format will result in deduction of marks**

Due Date

Mar 15, 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.

*

(0) file(s) to submit. Please avoid long file names and/or special characters such as ~ ! @ # \$ % ^ & * () ` ; < > ? , [] { } ' in the file name.

After uploading, you must click Submit to complete the submission.

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