

Assignments > Lab 6

Lab 6

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Instructions

Objective:

Write a web application that is a RESTful web service with the following requirements.

Requirements:

1. You are to create a web application using Express and NodeJS that maintains an inventory of books.
2. Your name must appear clearly on the main page.
3. A book can be represented by a JSON object using the following properties: title, author, publisher, date and website.
4. The web application needs to have an express URI (/bookinventory/add) where a user can add a book to the inventory.
5. The web application needs to have an express URI (/bookinventory/list) where a user can list the entire book inventory.
6. The book inventory may be stored in memory using an array of JSON objects (from number 3).
7. **Add screenshots of webpages to your report**
8. Write a technical report that contains all the following elements:
 - a. Write a technical report explaining your design choices and what you used to test the RESTful endpoints from number 4 and 5.
 - b. How did you consume and parse JSON?
 - c. 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
- **PDF Report without screenshots of web pages will receive 0**
- **Not following the submission format will result in deduction of marks**

Due Date

Mar 22, 2022 11:59 PM

Submit

Cancel

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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