

SRT621 – Winter 2022

Lab #10

Worth: 8% of final grade [8 marks]

Assignment Due: Refer to the deadline on [learn.Senecacollege.ca](https://learn.senecacollege.ca)

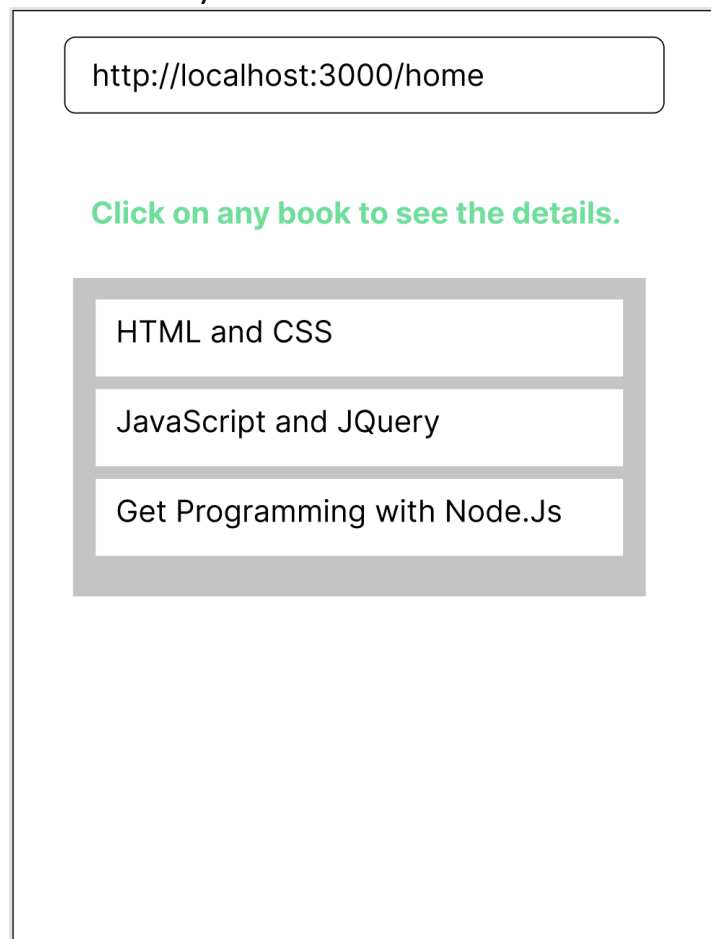
Submission Instructions:

1. Submit your Lab 10 code by sharing your Git repository link on the blackboard in a text file. (Codes/files submitted to blackboard are not going to be graded.)

In this lab you will build an application as instructed below. (8 marks)

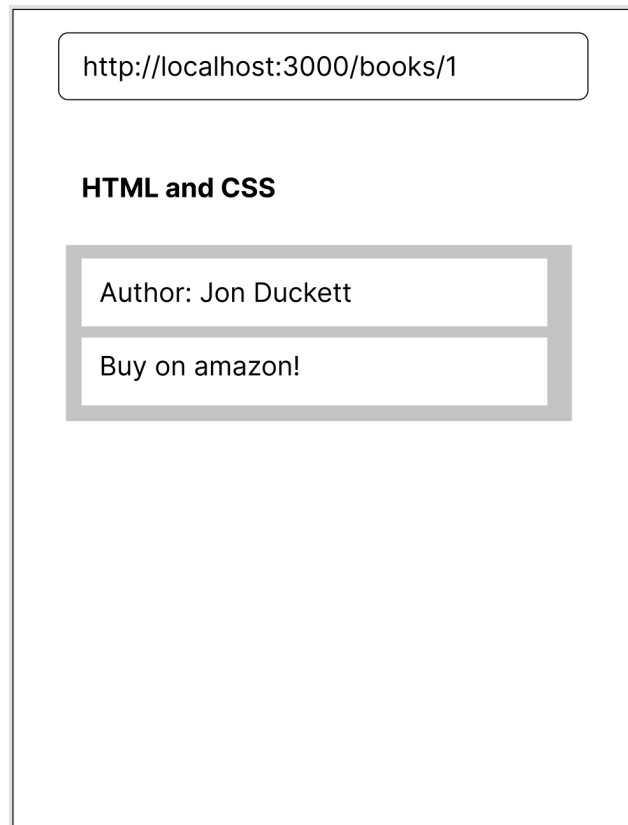
Instructions

1. Using Atlas UI, Build a mongodb database and store the following information for at least 3 books in it (any book as long as they have an Amazon link):
 - a. Book name
 - b. Author name
 - c. Purchase link on amazon!
2. Whitelist 0.0.0.0/0 on your Network Access page of Atlas. (if you miss to do this I won't be able to see the data when grading your lab)
3. Build a website that has one main page which looks like the following image (links to the books)

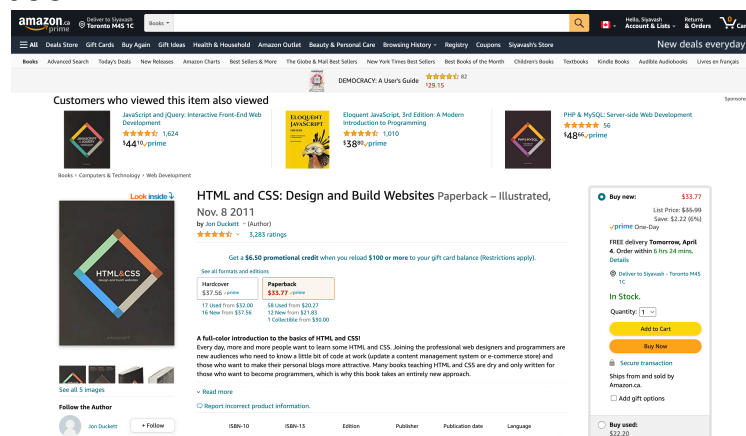


4. This page must be accessible at <http://localhost:3000/home>. (Without .html extension)
5. The information on this page must be loaded from your database.

6. When the user clicks on a book name, they are taken to the book details:



7. Upon clicking on “Buy on amazon”, the user is directed to the amazon page of the book:



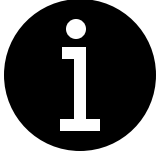
For this lab you will have to adhere to the following.

1. Use express.js as your routing webserver.
2. Use the MVC architecture you learned in the class.
3. Your website must have at least one controller to handle the following endpoints:
 - `app.get("/home", ...);`
 - `app.get("/books/:bookNumber", ...);`
4. Your website must use ejs templating engine and serve your views in the views folder.
5. Your website must have at least one model in the models folder.
6. You must use mongoose to connect to the mongodb.

Grading:

feature	Marks
You are using express.js for routing and the Website works as expected for the following URLs (info are shown correctly and links to amazon work):	2

– <code>http://localhost:3000/home</code>	0.5
– <code>http://localhost:3000/books/1</code>	0.5
– <code>http://localhost:3000/books/2</code>	0.5
– <code>http://localhost:3000/books/3</code>	0.5
- You adhere to the MVC architecture	1
- Your website has one model	1
- Your website has one controller	1
- Your website has ejs views	1
- Your website is loading data from mongoDB	2
TOTAL	8



Please note that your web server must start working upon running a “node index.js” command. If it does not your project ***won’t be graded at all*** as it will be marked as non-working.

Please note that the website URLs do not have html extension. If your pages do not adhere to this, you will lose marks.