

SRT621 – Winter 2022

Lab #9

Worth: 4% of final grade [4 marks]

Assignment Due: Refer to the deadline on learn.Senecacollege.ca

Submission Instructions:

Submit your code by sharing your GitHub repository link on the blackboard in a text file.

Codes/files submitted to blackboard are not going to be corrected.

Remove node_modules folder from your repositories. You can do so by Adding node_modules/ or node_modules to the .gitignore by following the below link:

<https://stackoverflow.com/questions/29820791/git-ignore-node-modules-folder-everywhere>



Your web server must start working by running a “node index.js” command. If it does not your project **won’t be graded at all** (zero marks given) as it will be considered non-working.

Instructions:

In this lab you will build a small images gallery application by using express.js

1. The website has one main page which looks like the following image.
2. This page must be accessible at <http://localhost:3000/home>. (without .html extension)
3. On this page there must be at least 3 thumbnails.

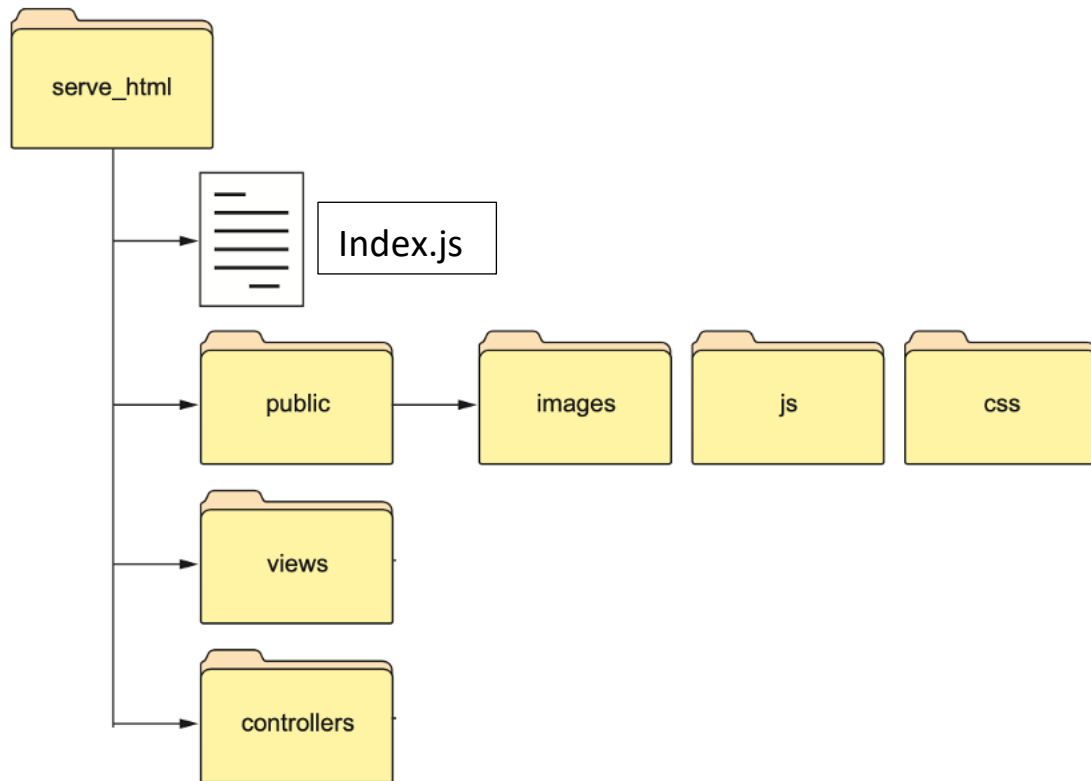


4. Upon clicking on a thumbnail, the user is directed to a new page that shows the full-size image located at:
[http://localhost/images/\[image-number\]](http://localhost/images/[image-number])
5. For example if the user clicks on the first image on the above page they will be redirected to <http://localhost/images/1> and will see a page similar to the following.
6. This page also has a link which will take the user back to the home page (<http://localhost/home>)



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

1. Use express.js as your routing webserver.
2. Use the following MVC architecture and put your files and static assets in their respective folders. (i.e. all images/thumbnails must be in the images folders).



3. Your website must have at least one controller to handle the following endpoints:
 - `app.get("/home", ...);`
 - `app.get("/images/:imageNumber", ...);`
4. Your website must use ejs templating engine and serve your views in the views folder.

Grading:

feature	Marks
You are using express.js for routing and the Website works as expected for the following URLs: <ul style="list-style-type: none">– http://localhost:3000/home– http://localhost:3000/images/1– http://localhost:3000/images/2– http://localhost:3000/images/3	2 ----- 0.5 0.5 0.5 0.5
- You adhere to the MVC architecture	0.25
- Images are stored in the public/images folder	0.25
- Your website has one controller	0.5
- Your website is using ejs templating engine	1
TOTAL	4



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.