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CSC317 Web Development

Assignment 1 – Installation of Linux, Node & Express

Description:
The objective of this assignment is to install the virtual machine and use it to write a simple web page.

Approach / What I Did:
I used HTML code to complete this assignment.

<!DOCTYPE html> is a document type declaration that specifies the document type and version of HTML being used.

<html> is the root element of an HTML document. All other elements should be descendants of this element.

<head> contains about document, for example, title, metadata, links to external resources, and scripts.

<body> contains the content of the HTML document that is displayed to the user.

This is Po-Han Chen {{currentDate}} is a paragraph element (`<p>`) that contains the text.

`hello there`: This is plain text that appears directly in the body of the HTML document.

`<img src="923446482_id.jpg" width="300">` is an image element (`<img>`) that displays an image. The `src` attribute specifies the URL or path to the image file ("923446482_id.jpg"), and the `width` attribute sets the width of the image to 300 pixels.

`</body>`: is the closing tag marks the end of the body section of this HTML document.

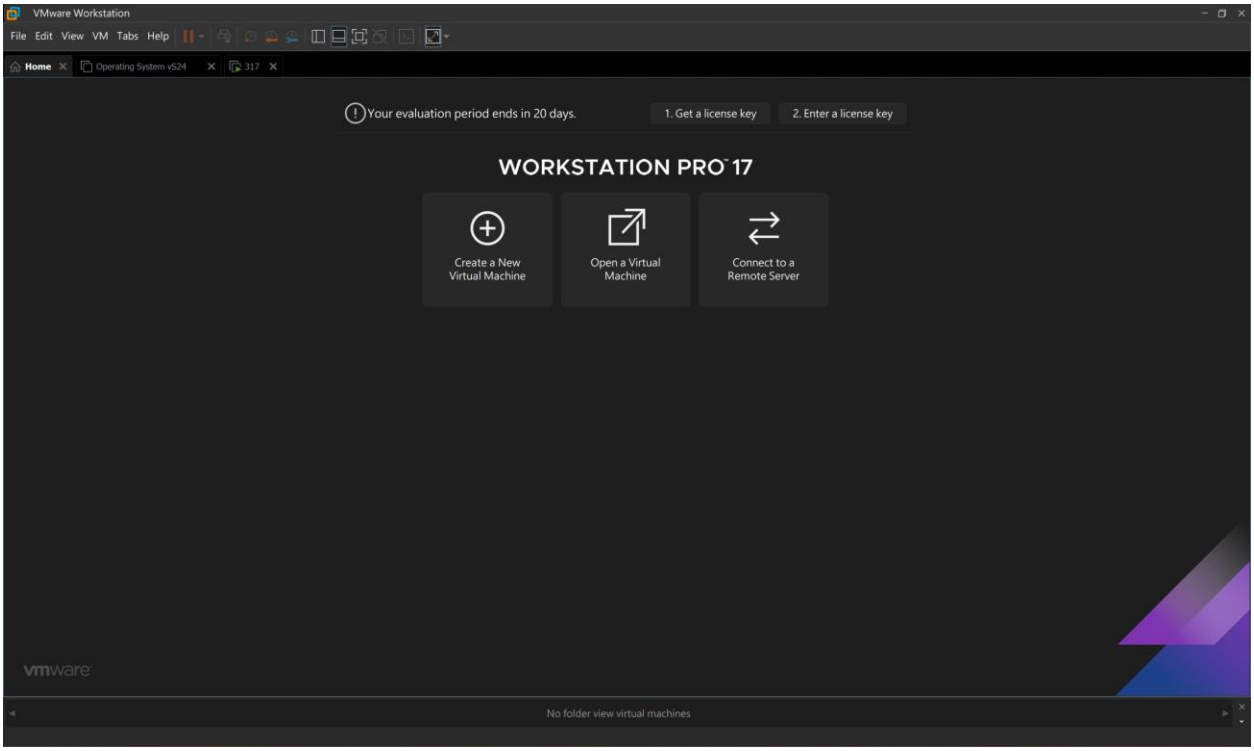
</html> is the closing tag mark representing the end of the HTML document.

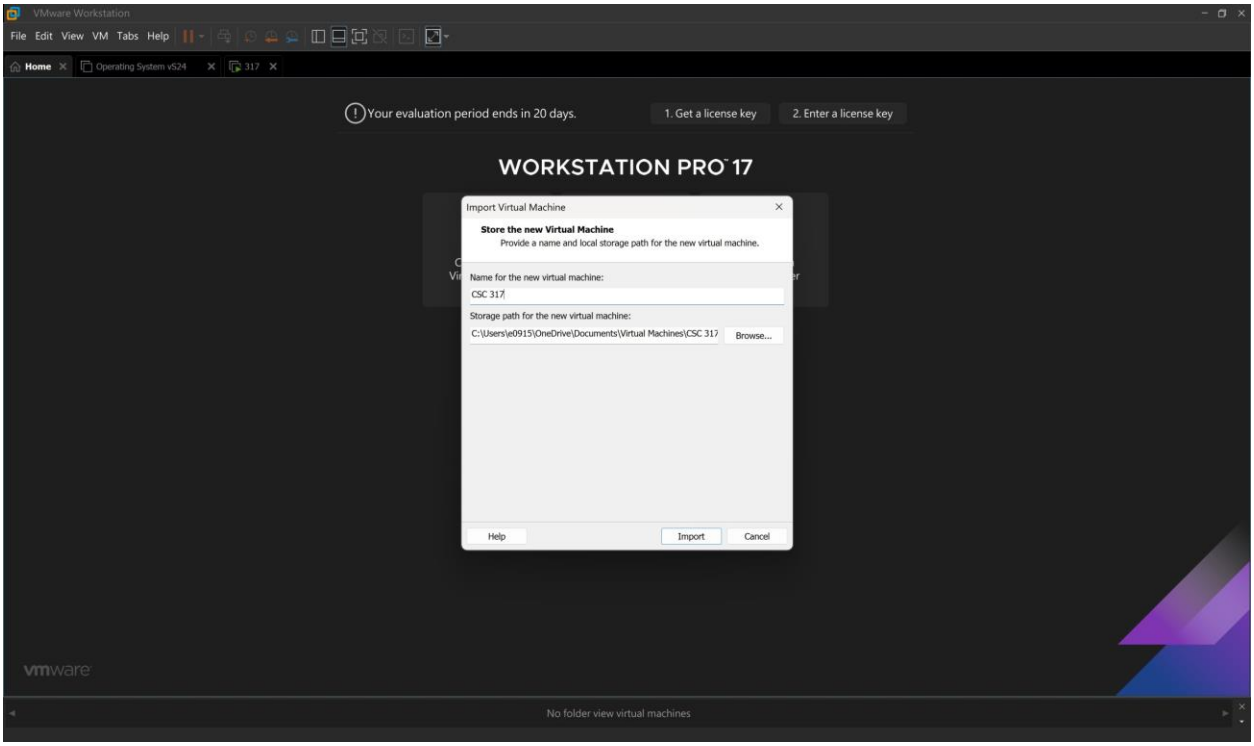
Issues and Resolutions:

When I use command prompt, I typed “cd documents” and I can’t access the document. Finally, I found that I should type “cd Documents”

Analysis:
HTML document is following the standard structure with a doctype declaration, <html>, <head>, and <body> elements. For the text content, <p> and <p> are contain text I want to write. For the image, <img> I need to put the image name inside. And I can set the size of it.

Screen shots:

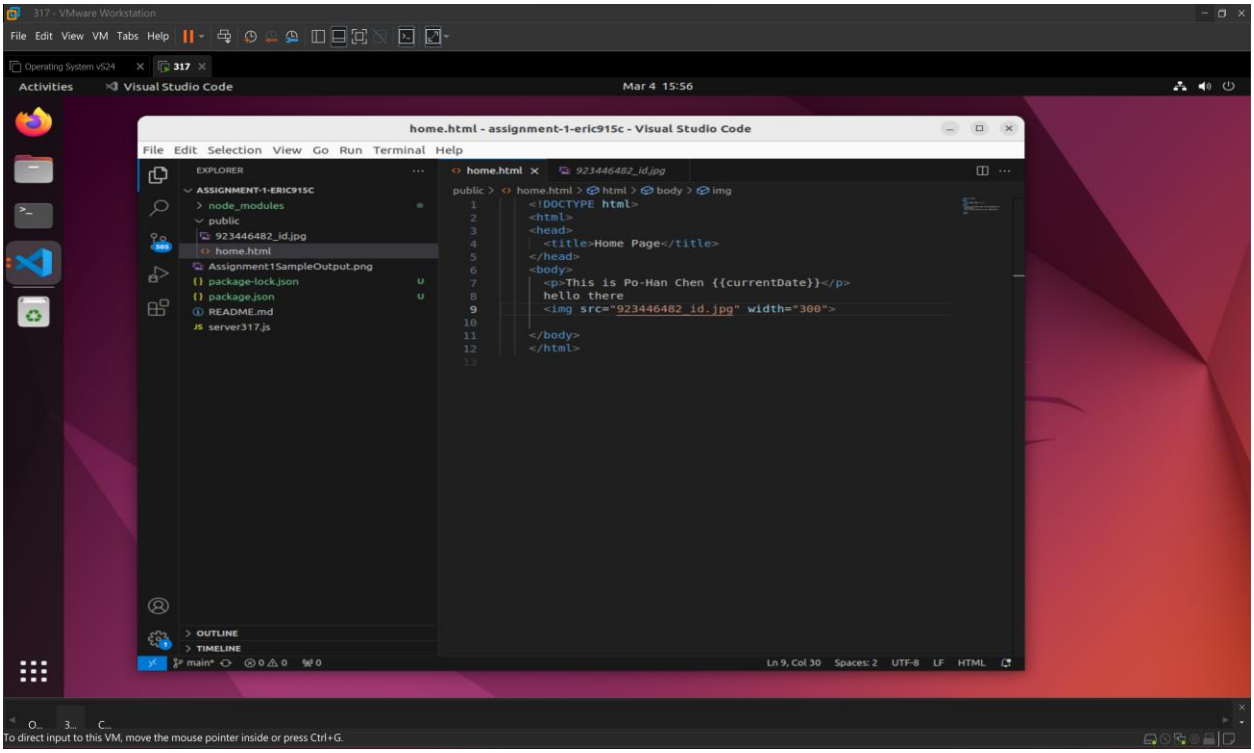





```
student@student:~$ curl sfsu.edu
<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">
<html><head>
<title>301 Moved Permanently</title>
</head><body>
<h1>Moved Permanently</h1>
<p>The document has moved <a href="https://sfsu.edu/">here</a>.</p>
</body></html>
student@student:~$
```

```
student@student:~$ git --version
git version 2.34.1
student@student:~$ git config --global credential.helper store
student@student:~$ git config --global user.email "e0915c@outlook.com"
student@student:~$ node -v
v12.22.9
student@student:~$
```

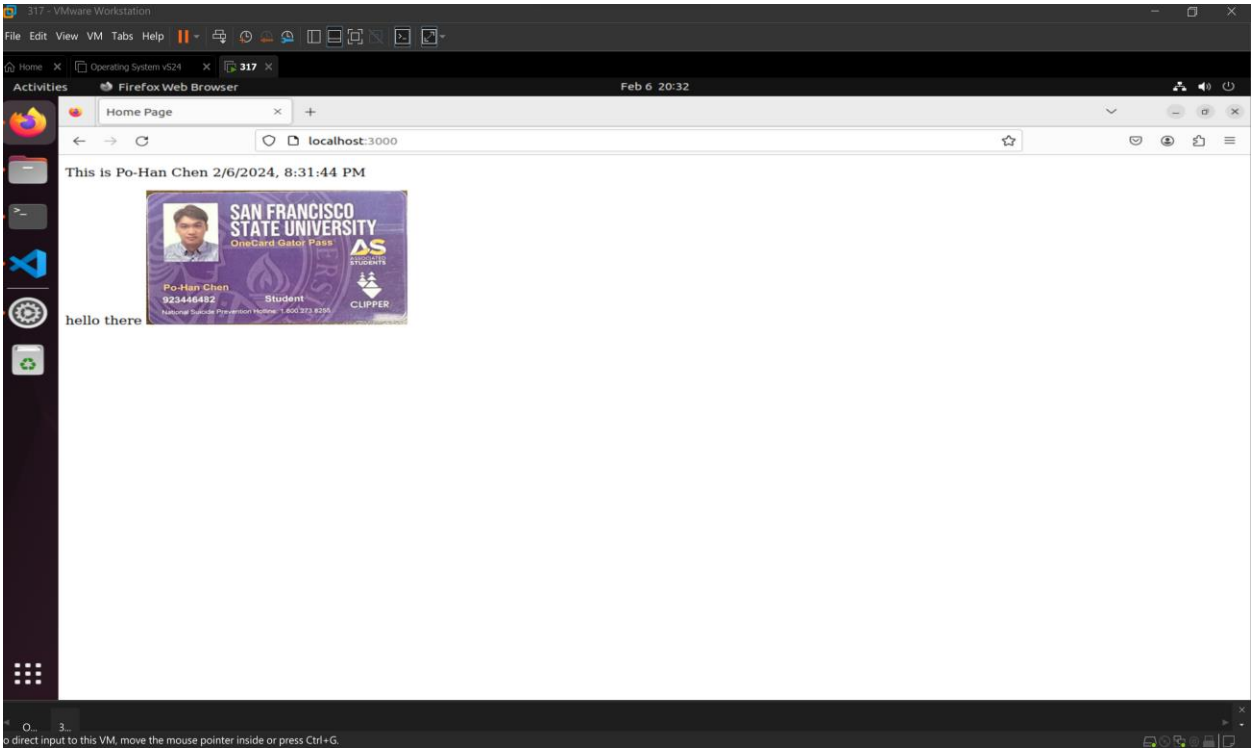
```
student@student:~/Documents$ git clone https://github.com/CSC317-03-02-S24/assig
nment-1-eric915c.git
Cloning into 'assignment-1-eric915c'...
Username for 'https://github.com': eric915c
Password for 'https://eric915c@github.com':
remote: Enumerating objects: 14, done.
remote: Counting objects: 100% (14/14), done.
remote: Compressing objects: 100% (13/13), done.
remote: Total 14 (delta 2), reused 9 (delta 0), pack-reused 0
Receiving objects: 100% (14/14), 243.55 KiB | 1.74 MiB/s, done.
Resolving deltas: 100% (2/2), done.
student@student:~/Documents$
```




```
student@student:~/Documents$ cd assignment-1-eric915c/
student@student:~/Documents/assignment-1-eric915c$ ls
afile  Assignment1SampleOutput.png  notes  public  README.md  server317.js
student@student:~/Documents/assignment-1-eric915c$ ls public
andrew_profile.jpg  home.html
student@student:~/Documents/assignment-1-eric915c$
```

```
student@student:~$ cd Documents
student@student:~/Documents$ cd assignment-1-eric915c/
student@student:~/Documents/assignment-1-eric915c$ ls
assignment-1-eric915c         node_modules  package-lock.json  README.md
Assignment1SampleOutput.png   package.json  public             server317.js
student@student:~/Documents/assignment-1-eric915c$ ls public
923446482_id.jpg  home.html
student@student:~/Documents/assignment-1-eric915c$ node server317.js
CSC-317 startup template
This template uses nodeJS, express, and express.static

Listening on http://localhost:3000/
```


317 - VMware Workstation
File Edit View VM Tabs Help
Activities
Firefox Web Browser
Feb 6 20:32
Home Page
localhost:3000
This is Po-Han Chen 2/6/2024, 8:31:44 PM
hello there
SAN FRANCISCO STATE UNIVERSITY
OneCard Gator Pass
Po-Han Chen
923446482
Student
CLIPPER
o direct input to this VM, move the mouse pointer inside or press Ctrl+G.