ITEC 225: Intro to Web Development

Homework 7 (100 pts). (Final HW)

In doing this homework, remember to abide by the RU Honor Code. You are to work alone and cite all of your work.

 In this assignment, We are about to build the MOST AWESOME Front-END Application. It is an actual NodeJS real-life application which is quite meaningful and practical. One application will be to pull data from a third-party weather data website with added audio or video element then a second application is to build a real-time Chat Application with profanity filter. There is **NO need to deploy this to Radford's server,** since there is no NodeJS software running on this server

Part 1:

Your Mission: is it in your benefit to choose one of the following tutorials and build a significant application with additional addons. Choose wisely !

Pick this app:
https://itnext.io/build-a-group-chat-app-in-30-lines-using-node-js-15bfe7a2417b

or
this app:
https://codeburst.io/build-a-weather-website-in-30-minutes-with-node-js-express-openweather-a317f904897b

App 1. (Weather App)

Follow all of the instructions on this link to build and deploy this weather web application on your machine.

https://codeburst.io/build-a-weather-website-in-30-minutes-with-node-js-express-openweather-a317f904897b

App 2 (Chat App)

Follow all of the instructions on this link to build and deploy this Chat application on your machine.

https://itnext.io/build-a-group-chat-app-in-30-lines-using-node-js-15bfe7a2417b

Submission requirements:

Grading Rubric

Weather App

Final HW Rubric		
Criteria:	Ratings	Points
Screenshots of Node Installation (5 -10 SS)		5
Screenshots of Proper directory naming convention (1 – 2 SS)		5
Screenshots of the user inputs of this application. (3 – 6 SS)		10
Screenshots of running app clearly stated in Browser w/URL (1 SS)		10
Screenshots of running app clearly stated in Terminal (1 SS)		10
Clearly Identify what each of your screenshots is doing (Write Notes under each of your screen shots from all the above Screenshots)		10
Name this assignment properly with proper naming conventions		5
Assignment Must be either zip or 7z and upload to D2L		5
Must have ONE sound mp3 or ONE video < 2 mins. Could be the sound of thunder in repeat or a quick 2 mins of video of weather.		20
Technical Requirement – Must submit all required tutorial code with documentation in your doc file and on your index.js or server.js file		20
TOTAL POINTS		**100**

Chat App

Final HW Rubric		
Criteria:	Ratings	Points
Screenshots of Node Installation (5 -10 SS)		5
Screenshots of Proper directory naming convention (1 – 2 SS)		5
Screenshots of the user inputs of this application. (3 – 6 SS)		10
Screenshots of running app clearly stated in Browser w/URL (1 SS)		10
Screenshots of running app clearly stated in Terminal (1 SS)		10
Clearly Identify what each of your screenshots is doing (Write Notes under each of your screen shots from all the above Screenshots)		10
Name this assignment properly with proper naming conventions		5
Assignment Must be either zip or 7z and upload to D2L		5
Must have ONE profanity filter or ONE Monitoring chat robot. Could be any existing chat robot or profanity filter You can easily addon to this Chat Application. Be sure to document.		20
Technical Requirement – Must submit all required tutorial code with documentation in your doc file and on your index.js or server.js file		20
TOTAL POINTS		**100**

Pledge requirements:

 As a Highlander, I will conduct myself with honor and integrity at all times. I will not lie, cheat, or steal, nor will I accept the actions of those who do. This program is solely my work, or proper attribution has been given to code that I did not write. If I am found to violate this policy, I realize I will receive an F for this course with no exceptions.

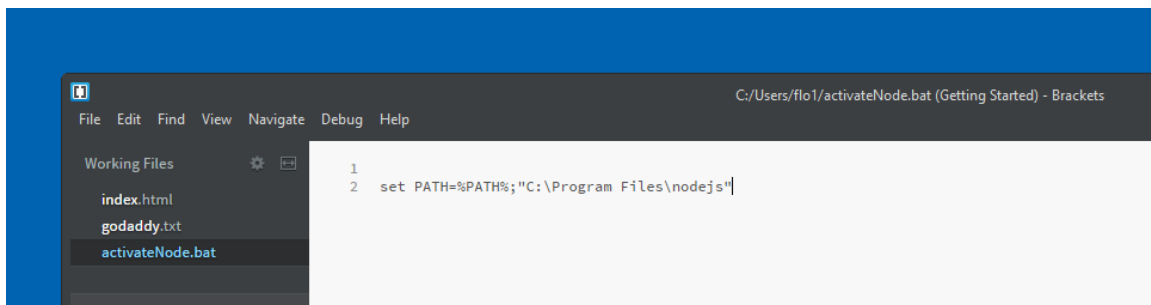# Node Installation Instructions: NodeJS (windows 10)

Screen of my installation of NodeJS

Link: https://nodejs.org/en/

Link: https://nodejs.org/en/docs/guides/getting-started-guide/

Install the 14.16.x or 15.12.x version and take all default options, no need to click anything except 'next' button to get this software installed onto your windows 7/8/10 environment.

1.

2.

```
Command Prompt

C:\Users\flo1>dir/o
 Volume in drive C is OS
 Volume Serial Number is A7D1-A290

 Directory of C:\Users\flo1

03/22/2020  08:01 PM    <DIR>          .
03/22/2020  08:01 PM    <DIR>          ..
03/22/2020  08:01 PM    <DIR>          .config
03/11/2020  07:36 PM    <DIR>          3D Objects
03/11/2020  07:27 PM    <DIR>          ansel
11/16/2019  03:53 PM    <DIR>          Apple
03/11/2020  07:36 PM    <DIR>          Contacts
03/22/2020  08:02 PM    <DIR>          Desktop
03/11/2020  07:36 PM    <DIR>          Documents
03/22/2020  07:58 PM    <DIR>          Downloads
03/11/2020  07:36 PM    <DIR>          Favorites
03/11/2020  07:36 PM    <DIR>          Links
03/11/2020  07:36 PM    <DIR>          Music
03/22/2020  08:39 AM    <DIR>          OneDrive
03/11/2020  07:36 PM    <DIR>          Pictures
03/11/2020  07:36 PM    <DIR>          Saved Games
03/11/2020  07:36 PM    <DIR>          Searches
03/19/2020  11:59 PM    <DIR>          Videos
03/22/2020  08:01 PM                43 activateNode.bat
01/21/2020  03:16 PM               186 godaddy.txt
               2 File(s)            229 bytes
              18 Dir(s)  1,671,895,076,864 bytes free

C:\Users\flo1>
```

3.

```
C:\Users\flo1>activateNode.bat

C:\Users\flo1>set PATH=C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;C:\Windows\System32\WindowsPowerShell\v1.
0\;C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common;C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;C:\WIN
DOWS\System32\WindowsPowerShell\v1.0\;C:\WINDOWS\System32\OpenSSH\;C:\Program Files\NVIDIA Corporation\NVIDIA NvDLISR;C:
\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;C:\WINDOWS\System32\WindowsPowerShell\v1.0\;C:\WINDOWS\System32\Op
enSSH\;C:\Program Files (x86)\Intel\Intel(R) Management Engine Components\DAL;C:\Program Files\Intel\Intel(R) Management
 Engine Components\DAL;C:\Program Files\nodejs\;C:\Users\flo1\AppData\Local\Microsoft\WindowsApps;C:\Users\flo1\AppData\
Roaming\npm;"C:\Program Files\nodejs"

C:\Users\flo1>
```

4.

```
C:\Users\flo1>node --version
v12.16.1

C:\Users\flo1>
```

5.

```
C:\Users\flo1>mkdir nodeproj1

C:\Users\flo1>cd nodeproj1

C:\Users\flo1\nodeproj1>
```

6.

```
C:\Users\flo1\nodeproj1>npm install expressjs
npm WARN deprecated expressjs@1.0.1: This is a typosquat on the popular Express package. This is not maintained nor is t
he original Express package.
npm WARN saveError ENOENT: no such file or directory, open 'C:\Users\flo1\nodeproj1\package.json'
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN enoent ENOENT: no such file or directory, open 'C:\Users\flo1\nodeproj1\package.json'
npm WARN nodeproj1 No description
npm WARN nodeproj1 No repository field.
npm WARN nodeproj1 No README data
npm WARN nodeproj1 No license field.

+ expressjs@1.0.1
added 1 package and audited 1 package in 1.143s
found 0 vulnerabilities


C:\Users\flo1\nodeproj1>
```