

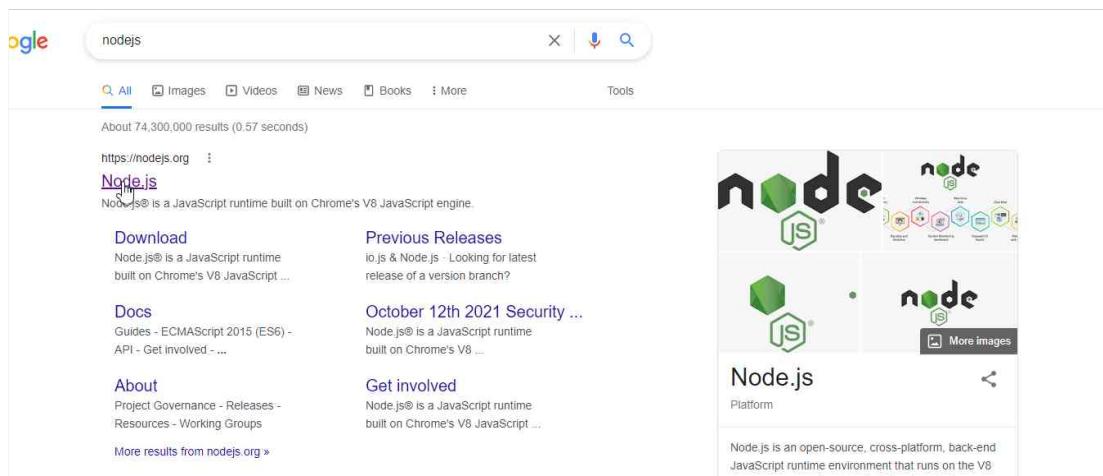
Student Prototype

Prototype Setup

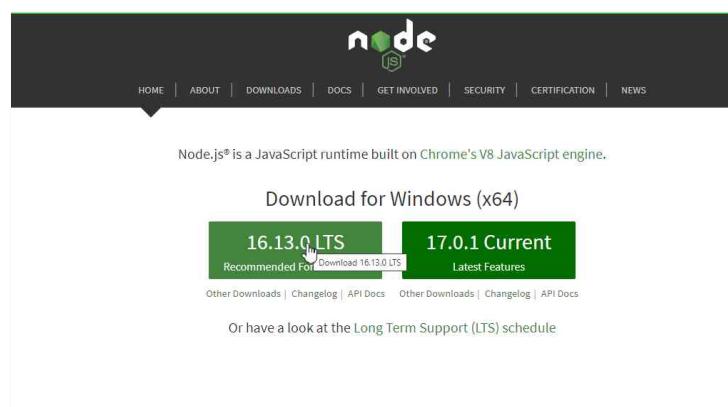
The following are the setup instructions needed to be performed once for the prototype to run correctly. The following includes both Windows and Mac instructions, so follow linearly.

1. Download and setup *node.js* (this is used to run the prototype).

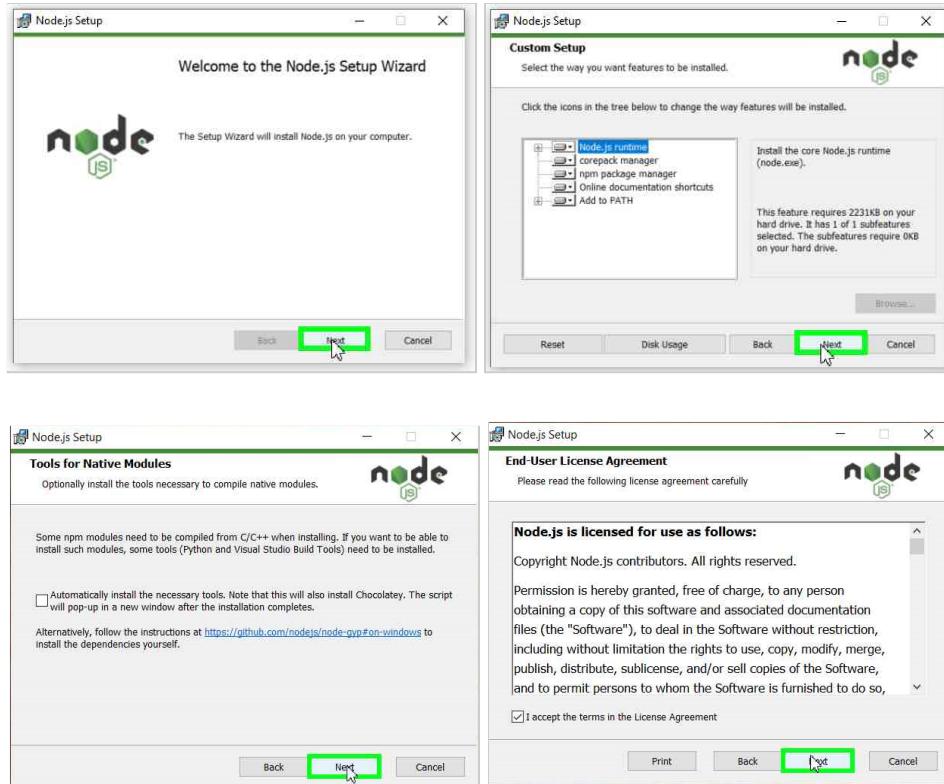
Search node.js on your favourite web browser



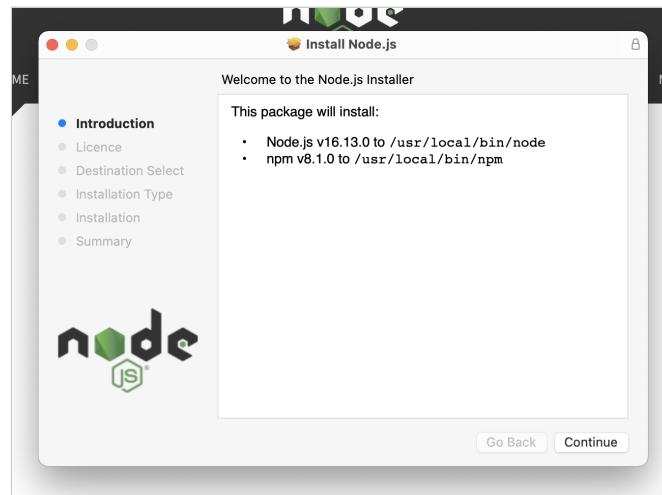
Download the LTS version for your system



Follow the node.js set up instructions (some of them may seem complicated, just click next)

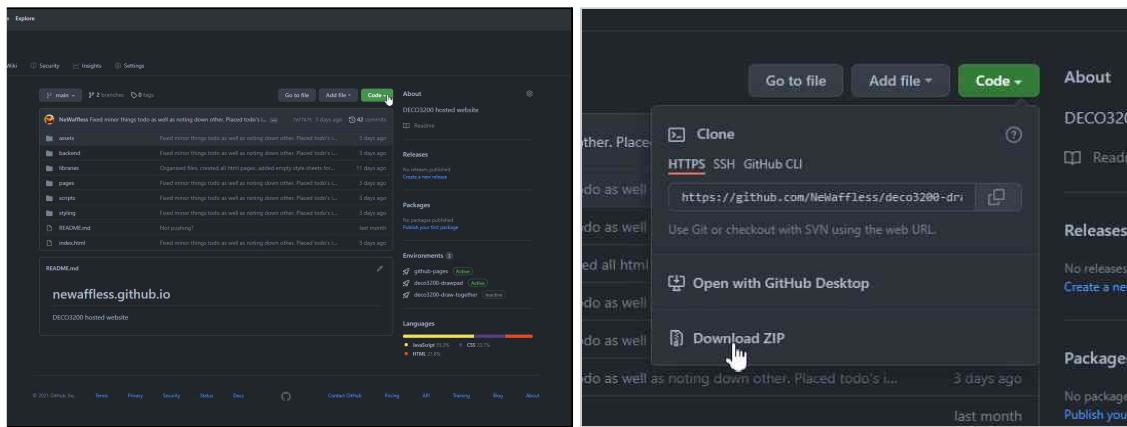


(For mac, this is what it looks like)



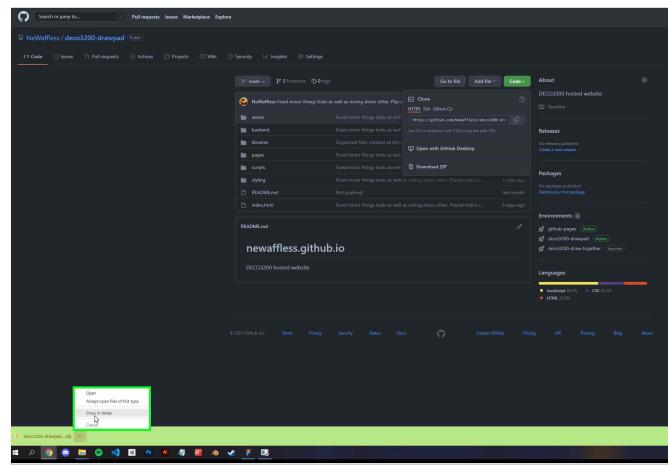
2. Download the code from the following GitHub repository -
<https://github.com/NeWaffless/Draw-Together>

Click on 'code', then click on 'download ZIP' to download the code

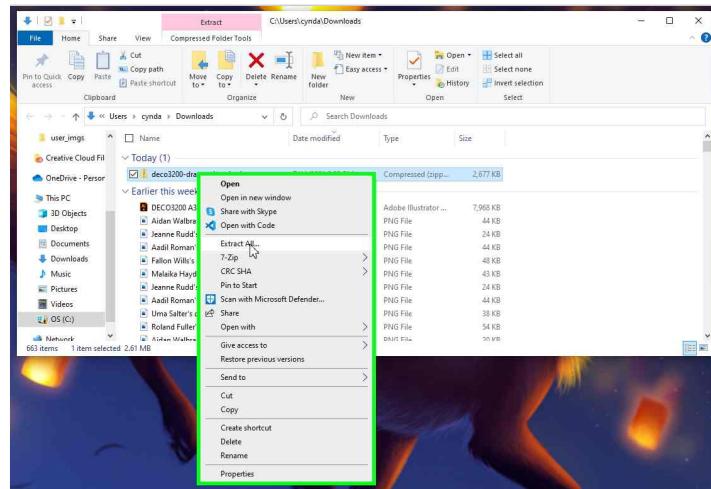


3. Locate the .zip file on your computer and extract the contents onto your computer.

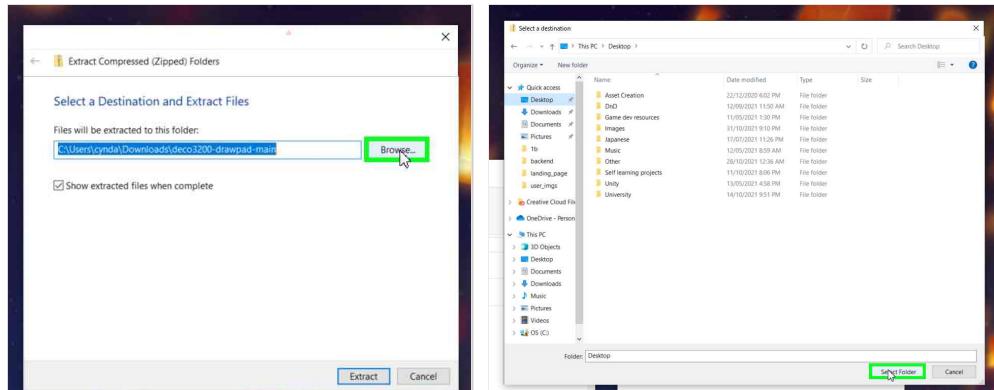
Locate the .zip folder (if you cannot find it, try looking at the top of your downloads folder)



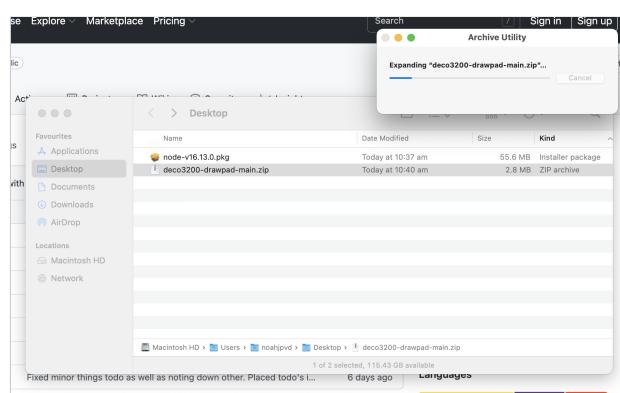
Right click the folder, and select 'extract all'. Alternatively, use your own .zip extraction software as you like (such as 7zip)



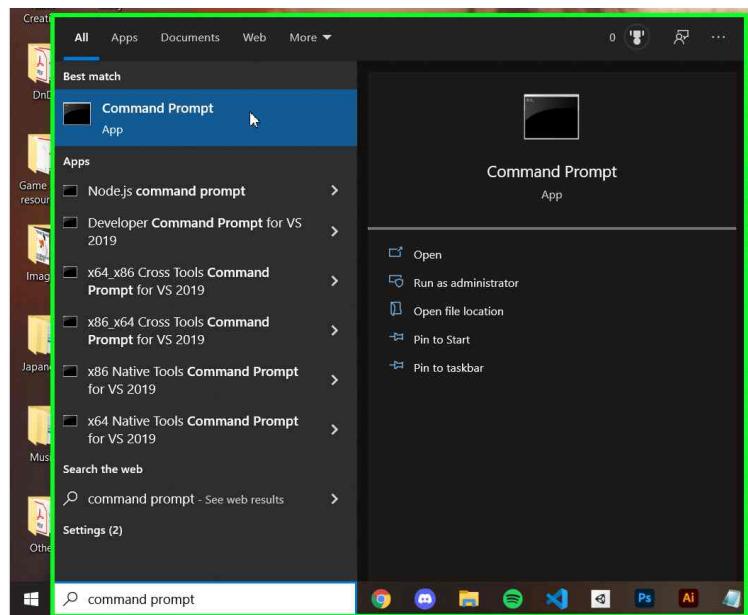
Select a location you would like to extract the files to



(For mac, extract by double clicking the zip folder)



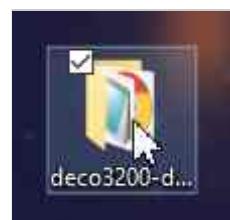
4. Using the windows search bar, search for 'command prompt' and open it.



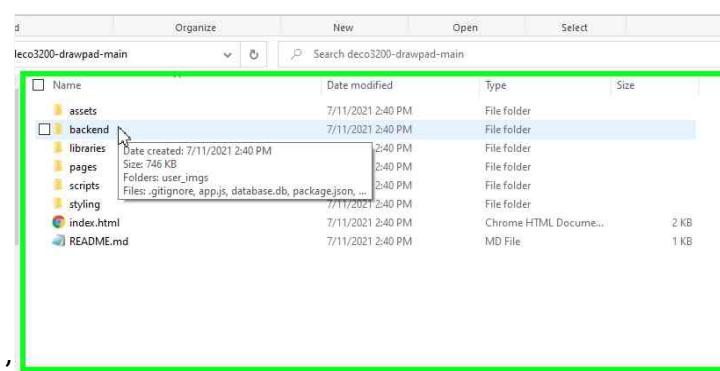
(For mac, skip this step)

5. Locate the project files on your computer, and change the current directory of your command prompt terminal.

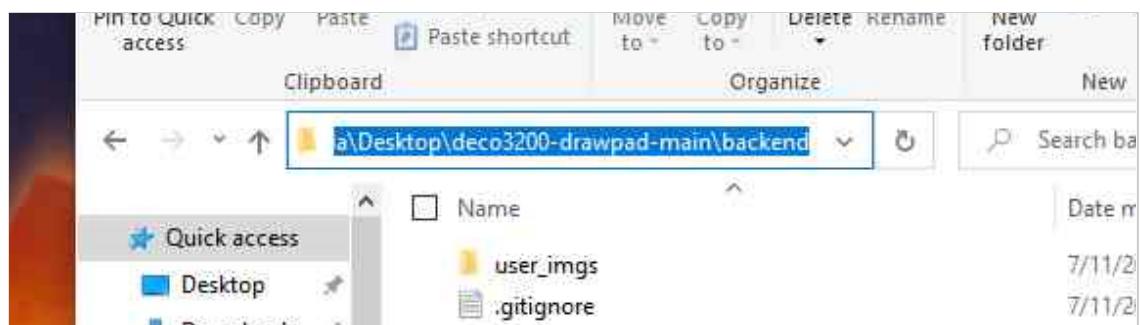
Locate the file on your computer and open it



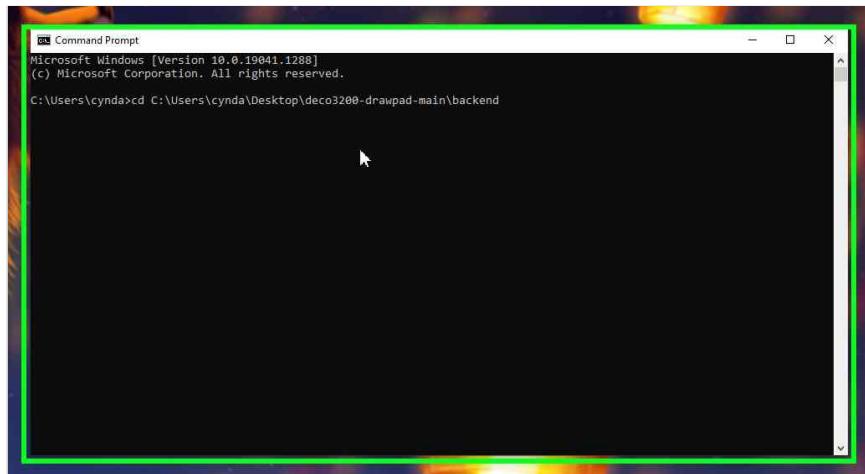
Open the folder named 'backend'



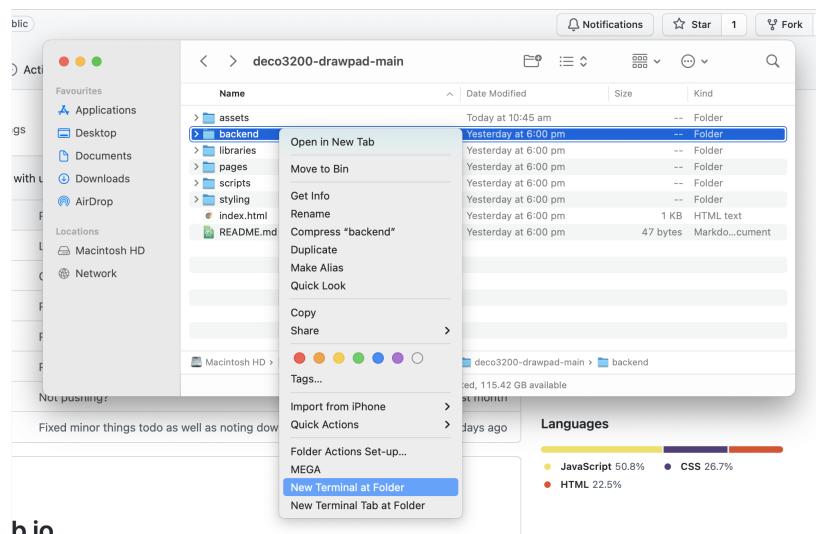
Click the file path just above where the files are located, and copy it with Ctrl + C



In the command prompt window, type in 'cd <path>' where <path> is the file path you just copied. You can paste the file path in using Ctrl + V or by right clicking whilst the command prompt window is selected. Once you have typed it in, hit enter

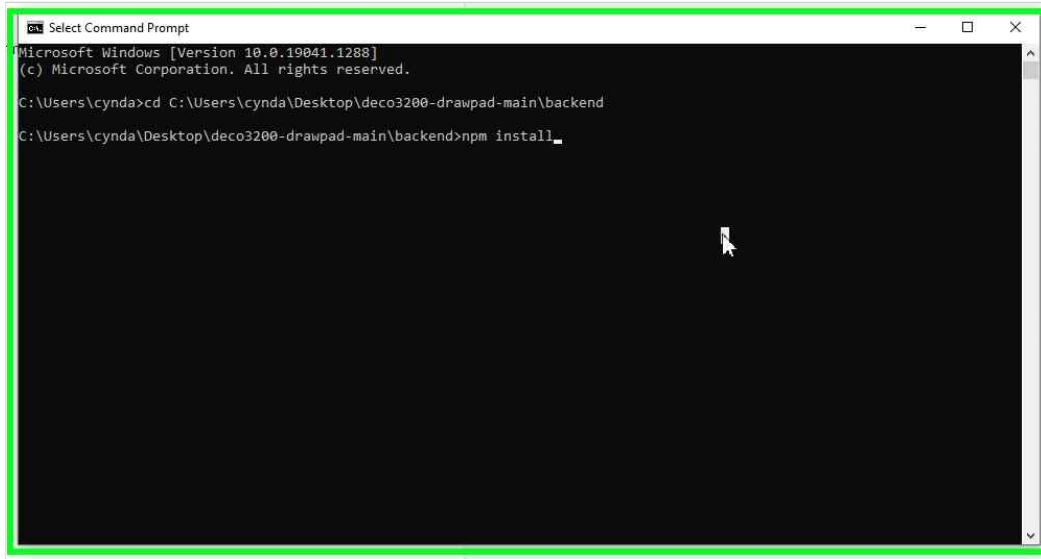


(For mac, right-click on the 'backend' folder, and select 'New Terminal at Folder')



6. Install the necessary packages using the Node Package Manager (npm).

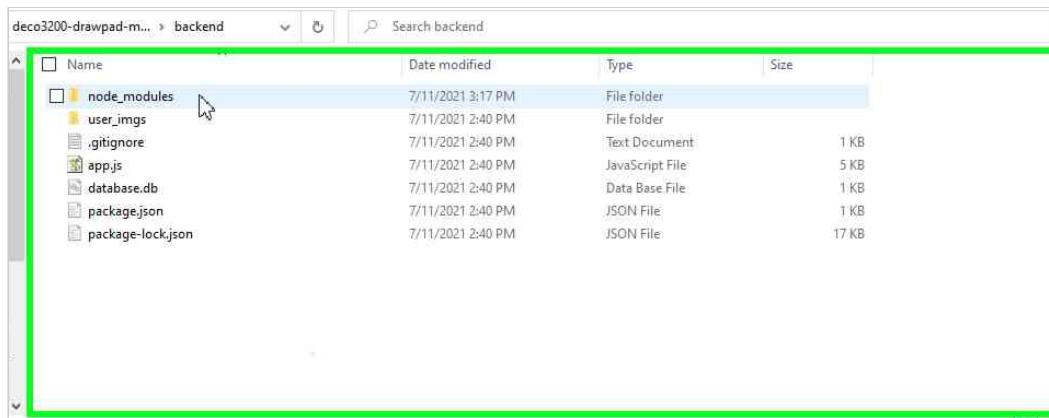
While your command prompt window is located at the file path copied earlier, type in the command 'npm install' and hit enter to download necessary modules to run the prototype



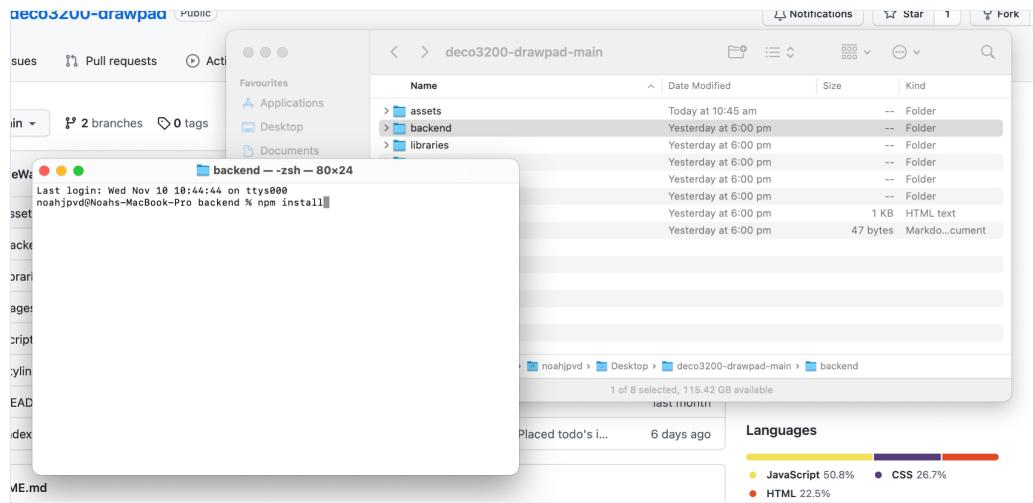
```
Microsoft Windows [Version 10.0.19041.1288]
(c) Microsoft Corporation. All rights reserved.

C:\Users\cynda>cd C:\Users\cynda\Desktop\deco3200-drawpad-main\backend
C:\Users\cynda\Desktop\deco3200-drawpad-main\backend>npm install
```

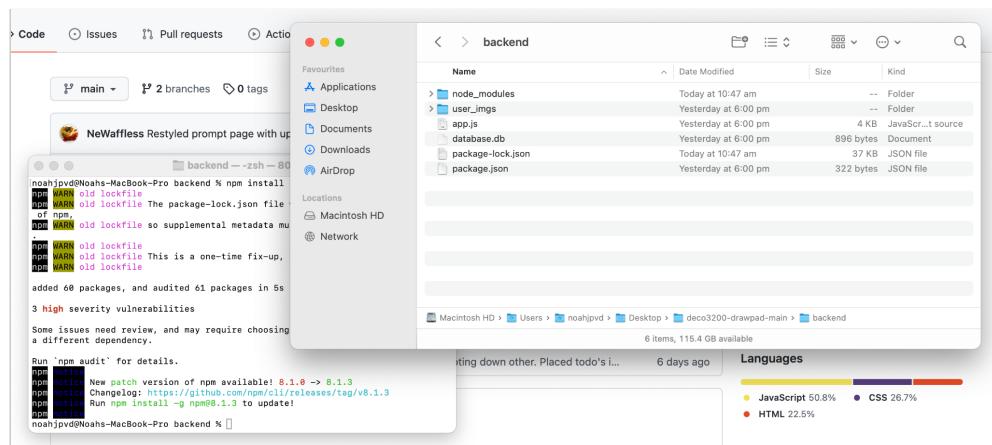
To see if it worked, look in your file directory to see if a new folder has appeared called 'node_modules'



(For mac, type in the command 'npm install' in Terminal and hit enter to download necessary modules to run the prototype)



To see if it worked, look in your file directory to see if a new folder has appeared called 'node_modules'



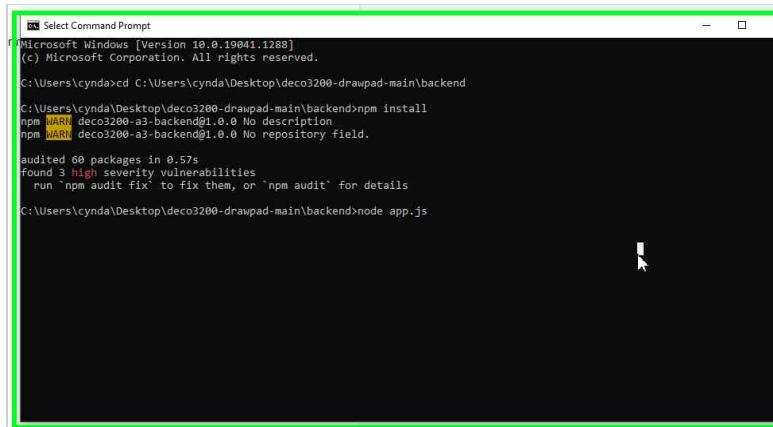
Running the Prototype

Everytime you wish to view the prototype, perform the following steps:

1. If you have not already, perform steps 4 & 5 from the setup instructions to open a command prompt window and change it's working directory to the 'backend' folder.

2. Inside your command prompt window, type in the command 'node app.js' and hit enter.

(For mac, if you have not already, perform step 5 from the setup instructions to open a Terminal window and change it's working directory to the 'backend' folder. Then type in the command 'node app.js' in Terminal and hit enter)



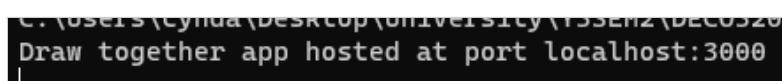
```
Microsoft Windows [Version 10.0.19841.1288]
(c) Microsoft Corporation. All rights reserved.

C:\Users\cynda>cd C:\Users\cynda\Desktop\deco3200-drawpad-main\backend
C:\Users\cynda\Desktop\deco3200-drawpad-main\backend>npm install
npm WARN deco3200-a3-backend@1.0.0 No description
npm WARN deco3200-a3-backend@1.0.0 No repository field.

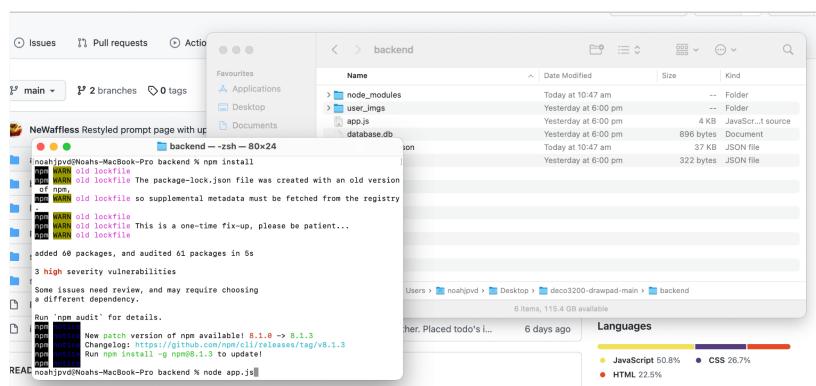
audited 60 packages in 0.57s
found 3 high severity vulnerabilities
  run `npm audit fix` to fix them, or `npm audit` for details

C:\Users\cynda\Desktop\deco3200-drawpad-main\backend>node app.js
```

The following message should appear in the command prompt window (your computer may ask for permission to run the app, allow it to run

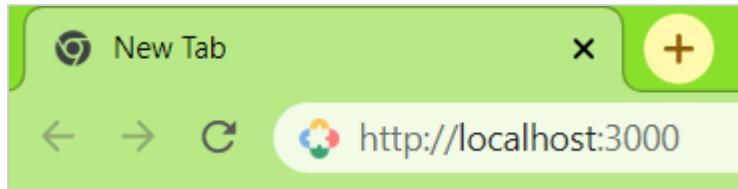


```
C:\Users\cynda\Desktop\University\Y5SEM2\DECO3200
Draw together app hosted at port localhost:3000
```

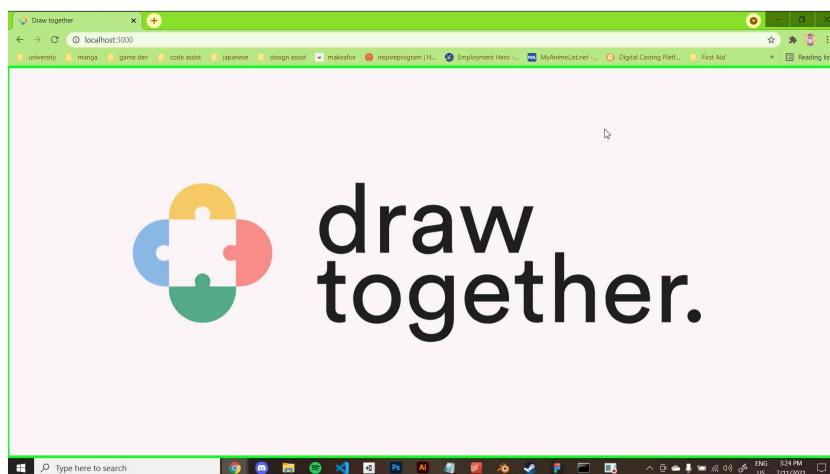


3. Open a new tab in your favourite browser (that is NOT internet explorer), and search in the top (address) bar 'http://localhost:3000'

You should see the prototype running in your browser, enjoy.



You can search 'http://localhost:3000' at any point whilst the command prompt is running the server to restart the application



Note: this prototype is designed for iPad screen size (9.8 × 6.8 or 1024 × 1366px), for optimal use, resize your window to approximately these dimensions. F12 to toggle device toolbar doesn't work with this prototype.