

README for Executing BIG-Golf Website, Team Kachow, Fall 2022, CECS 443-01

Link to GitHub: <https://github.com/dornguyen/big-golf>

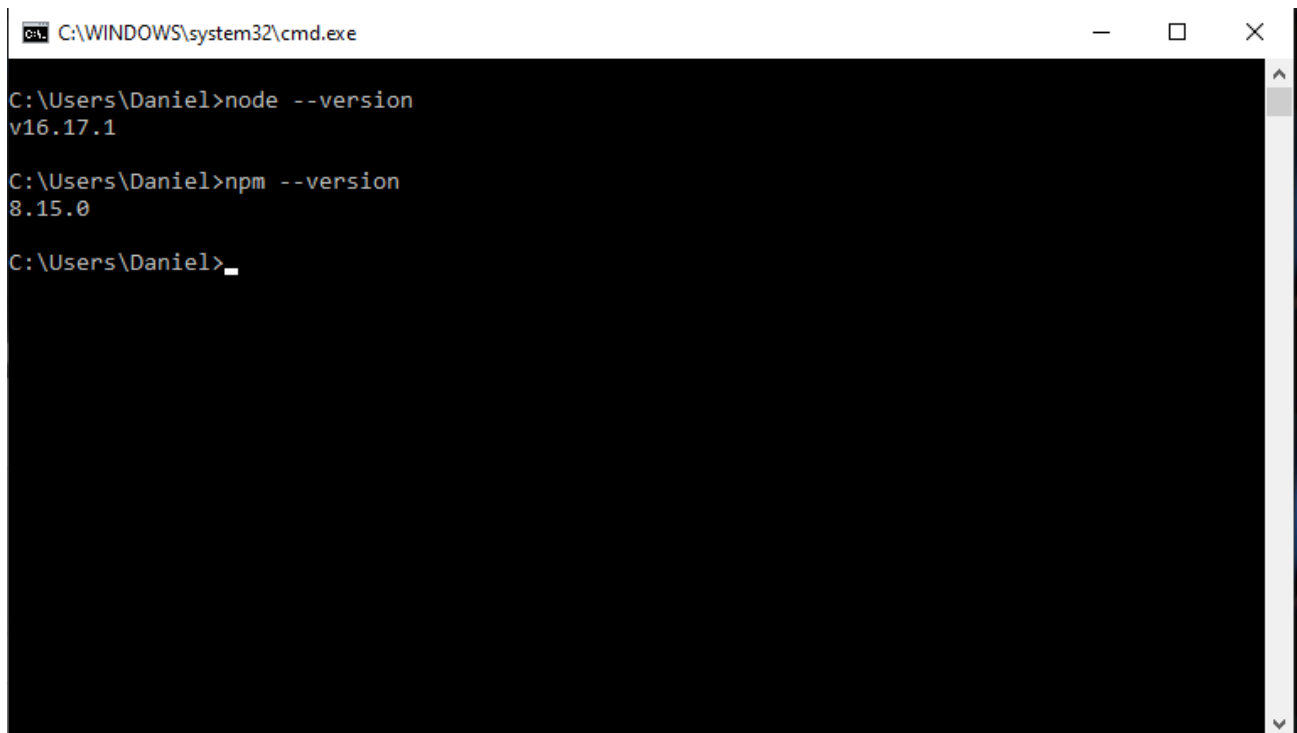
Prerequisites:

Have Ports 3000 and 3001 open, these should be open by default.

- Port 3000 is where the frontend website is hosted on localhost.
- Port 3001 is where the backend server is hosted on localhost.

Install Node.js and NPM. (NPM comes with Node.js)

- Refer to <https://nodejs.org/en/download/> for installation.
- We are using Node v16.17.1 and NPM 8.15.0, but having later versions should not matter.
- Check if you have node and npm installed by using the following commands.
 - o node --version
 - o npm --version

A screenshot of a Windows Command Prompt window. The title bar at the top reads "C:\WINDOWS\system32\cmd.exe". The command prompt shows the user "Daniel" at the "C:\Users\Daniel" directory. The user has entered the command "node --version" and the output is "v16.17.1". Then, the user has entered the command "npm --version" and the output is "8.15.0". The prompt is currently at "C:\Users\Daniel>".

```
C:\WINDOWS\system32\cmd.exe

C:\Users\Daniel>node --version
v16.17.1

C:\Users\Daniel>npm --version
8.15.0

C:\Users\Daniel>
```

Executing BIG Golf Website

1) Starting the backend server

After fulfilling the prerequisites above, open a new terminal and cd to the biggolf_backend folder.



```
Command Prompt
Microsoft Windows [Version 10.0.19044.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Daniel>cd Desktop
C:\Users\Daniel\Desktop>cd big-golf
C:\Users\Daniel\Desktop\big-golf>cd biggolf_backend
C:\Users\Daniel\Desktop\big-golf\biggolf_backend>
```

In the biggolf_backend folder terminal, run “npm install” and then “npm install -g nodemon”

- These commands will ensure that the packages used to run the backend are properly installed.
- nodemon is used to start the backend server.

```
Command Prompt

C:\Users\Daniel\Desktop\big-golf\biggolf_backend>npm install

up to date, audited 187 packages in 630ms

14 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

C:\Users\Daniel\Desktop\big-golf\biggolf_backend>npm install -g nodemon

changed 32 packages, and audited 33 packages in 2s

3 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

C:\Users\Daniel\Desktop\big-golf\biggolf_backend>
```

Ensure that nodemon is installed using “nodemon –version” in the biggolf_backend folder.

Then start the backend server by running “nodemon server” in the biggolf_backend folder.

```
C:\WINDOWS\system32\cmd.exe - "node" "C:\Users\Daniel\AppData\Roaming\npm\node_modules\nodemon\bin\nodemon.js" server

C:\Users\Daniel\Desktop\big-golf\biggolf_backend>nodemon --version
2.0.20

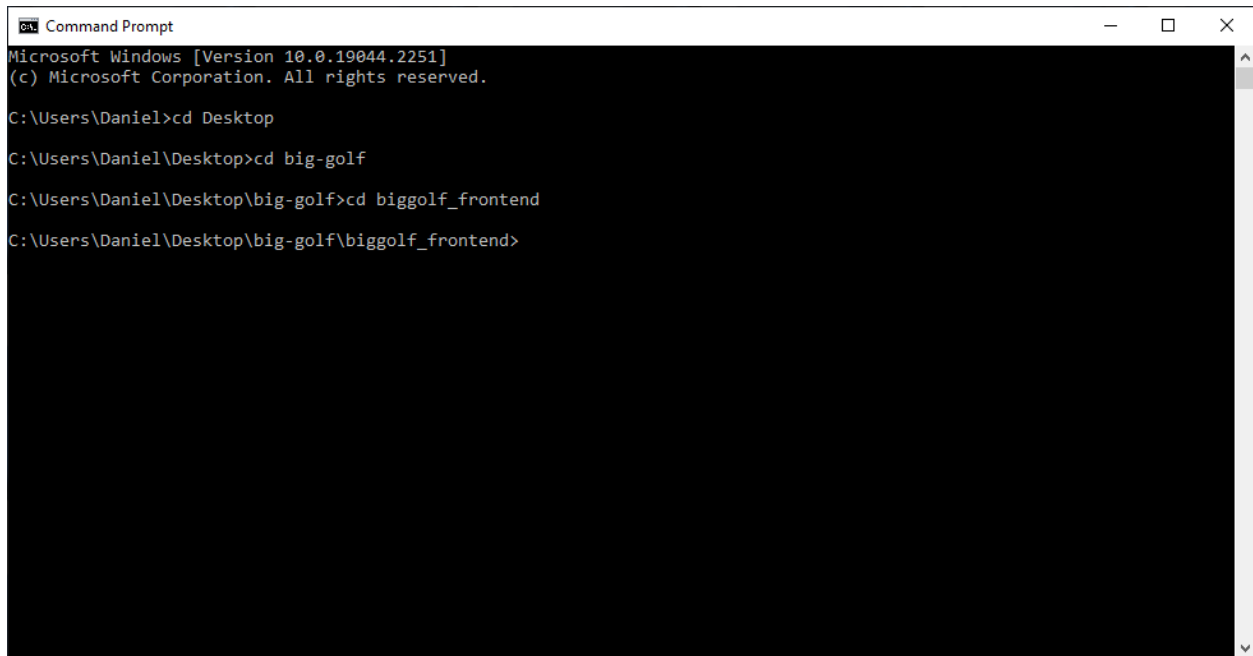
C:\Users\Daniel\Desktop\big-golf\biggolf_backend>nodemon server
[nodemon] 2.0.20
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node server index.js`
Start loading players...
Finished loading players!
Start loading tournaments...
Finished loading tournaments!
Start loading course scorecards...
Finished loading course scorecards!
Start loading player scorecards...
Finished loading player scorecards!
Start loading news...
Finished loading news!
Start loading email list...
Finished loading email list!
Start loading accounts...
Finished loading accounts!
listening on port 3001
```

The backend server should now be listening on port 3001.

Keep this terminal open, now we'll start the frontend.

2) Start the frontend

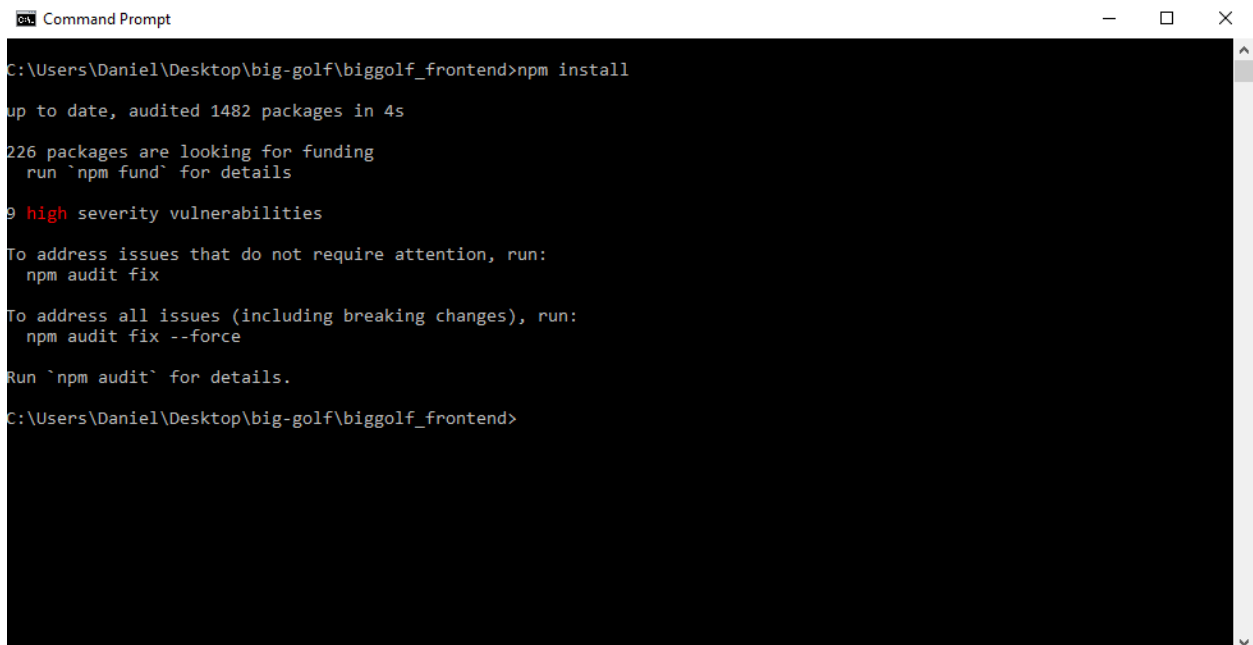
While having the backend terminal open, open up a new terminal and cd to the “biggolf_frontend” folder.



```
Command Prompt
Microsoft Windows [Version 10.0.19044.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Daniel>cd Desktop
C:\Users\Daniel\Desktop>cd big-golf
C:\Users\Daniel\Desktop\big-golf>cd biggolf_frontend
C:\Users\Daniel\Desktop\big-golf\biggolf_frontend>
```

Run “npm install” in the biggolf_frontend folder



```
Command Prompt
C:\Users\Daniel\Desktop\big-golf\biggolf_frontend>npm install

up to date, audited 1482 packages in 4s

226 packages are looking for funding
  run `npm fund` for details

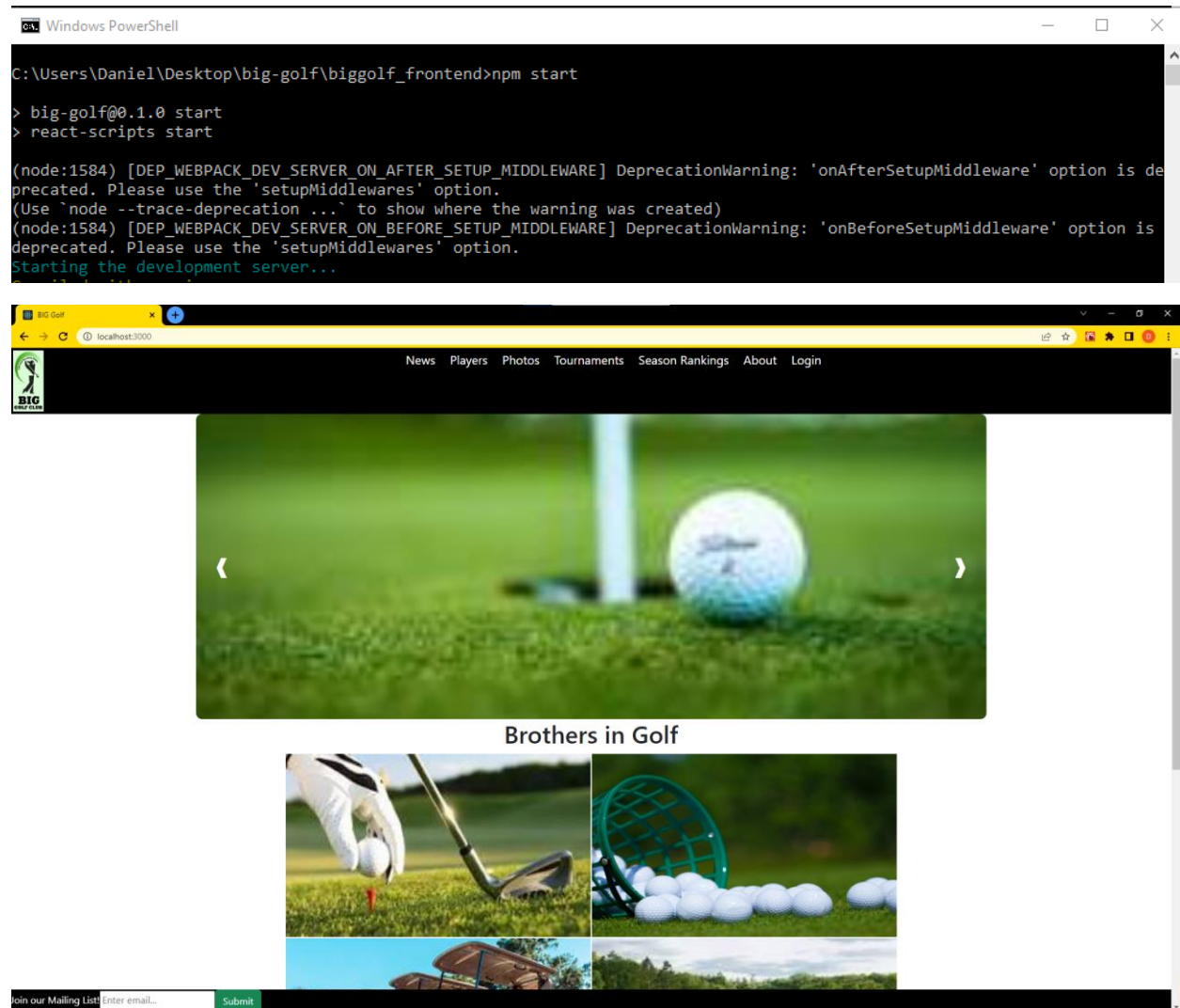
9 high severity vulnerabilities

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
C:\Users\Daniel\Desktop\big-golf\biggolf_frontend>
```

Then, run “npm start” in the frontend terminal. The development server should open and a website browser should automatically open showing localhost:3000, the website.



Notes:

Ports 3000 and 3001 must be open.

Use “nodemon server” in the backend terminal to start the backend.

Use “npm start” in the frontend terminal to start the frontend.

The backend server must be started before the frontend, so that data from the database is shown on the website.