Creating a new Website on your Digital Ocean Server:

1. Create an Atom folder project with all of the files you need, test it with a python http.server
2. For help in creating the websites you might need find multiple tutorials and instructions from the class here: https://github.com/BYU-CS-260
3. Create a git respository in github to hold all the files
4. Attach local repository to github through atom connector and upload
5. Create a directory within the digital ocean server and configure it as such:
   1. git init
   2. git remote add origin [link to github]
   3. git pull origin master
   4. then you’ll have to copy all the updated files over into the appropriate subdomain folder
6. nginx configuration is in /etc/nginx
7. so go to:

cd /etc/nginx/sites-available

1. create a new subdomain configuration file:

sudo touch [subdomain].landiinii.com

1. edit it:

sudo vim [subdomain].landiinii.com

1. add the following to the file:

server {  
  listen 80;  
  server\_name [subdomain].landiinii.com;  
  root /var/www/[subdomain].landiinii.com;  
  index index.html;  
  default\_type "text/html";  
  location / {  
    try\_files $uri $uri/ =404;  
  }  
}

1. Enable the website:

sudo ln -s /etc/nginx/sites-available/[subdomain].landiinii.com /etc/nginx/sites-enabled/

1. Create the directory:

sudo mkdir /var/www/[subdomain].landiinii.com  
sudo chown landiinii /var/www/[subdomain].landiinii.com

1. Then reload nginx and you’re good to go!

sudo service nginx reload

1. Clone your code into the server
2. If the Code does not require any packages or building, copy the files into the /var/www/[subdomain].landiinii.com and you’ll be good to go
3. If the code is written in vue CLI and requires packages then run

npm install

1. And build your code with

npm run build

1. This will create an entire copy of your website front end in the dist/ directory.
2. Then copy everything from dist to your directory:

cp -rp dist/\* /var/www/[subdomain].landiinii.com

1. Then you should be good to go!

Certify and secure the website by following these instructions:

<https://certbot.eff.org/lets-encrypt/ubuntubionic-nginx.html>

/etc/letsencrypt/live/landiinii.com-0001/fullchain.pem

/etc/letsencrypt/live/landiinii.com-0001/privkey.pem