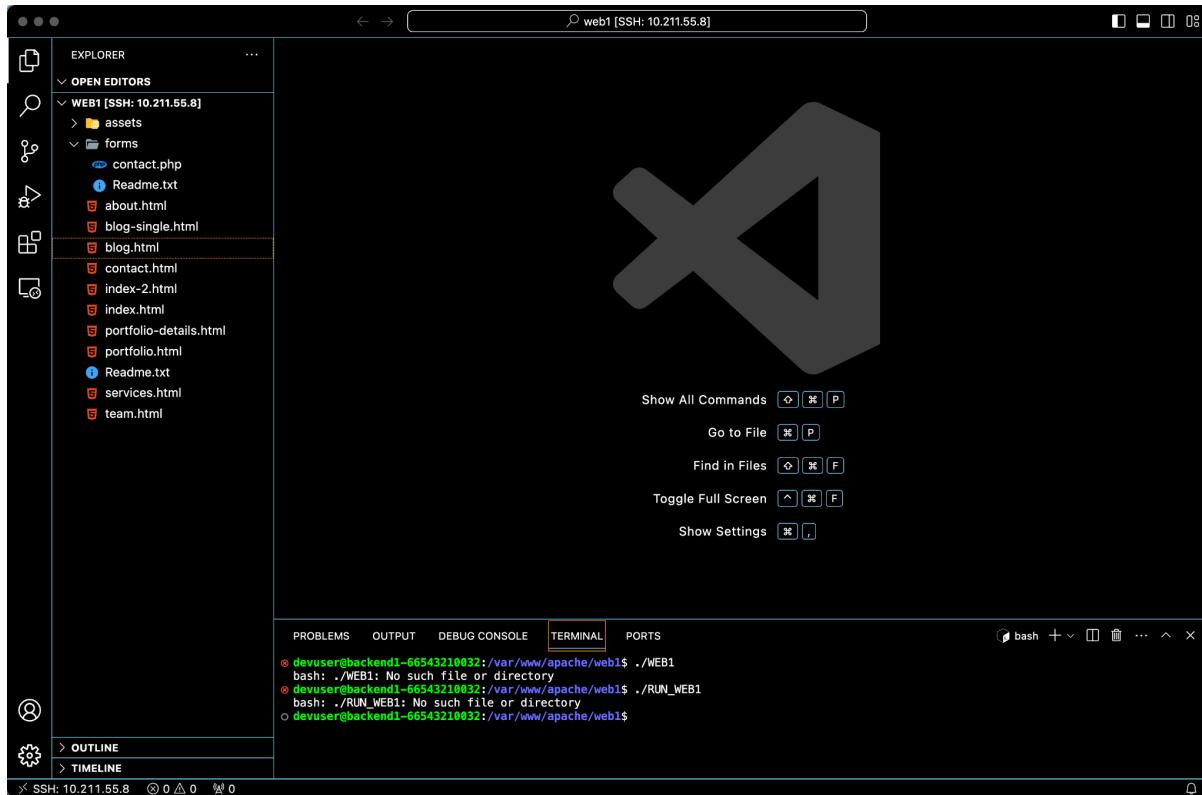


## step 6

เข้ามอ vs code กับ webserver



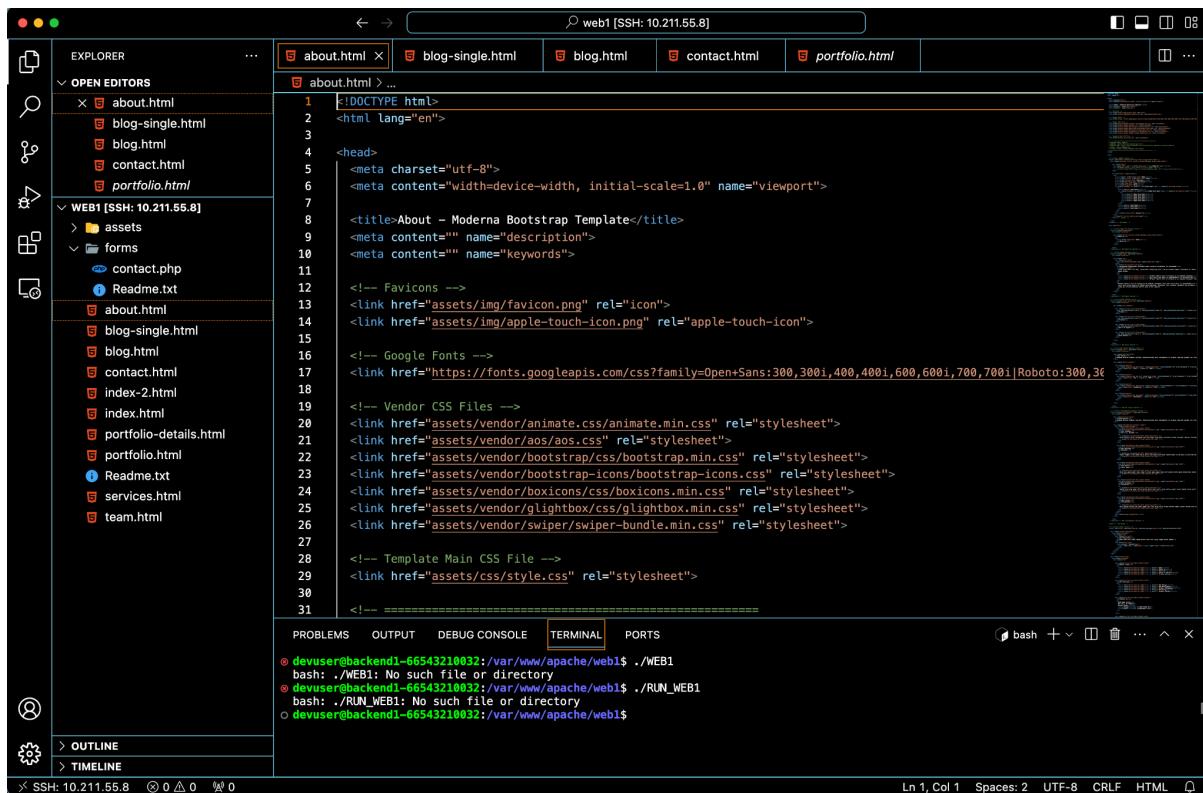
sudo chown -R \$USER:\$USER /var/www (ให้ user ใช้โฟลเดอร์ www)

```
devuser@backend1-66543210032:~$ sudo chown -R $USER:$USER /var/www
```

cd /var/www/ (เข้าไปในโฟลเดอร์ lab4)  
mkdir apache (สร้างไฟล์ server)  
cd apache (เข้าไปในโฟลเดอร์ server)  
mkdir web1 (สร้างไฟล์ server)  
cd web1 (เข้าไปในโฟลเดอร์ server)

```
devuser@backend1-66543210032:~$ cd /var/www/apache/web1/  
devuser@backend1-66543210032:/var/www/apache/web1$
```

## เข้าไปในไฟล์ web1 ของ vscode และนำ source เข้าไปใส่



```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta content="width=device-width, initial-scale=1.0" name="viewport">
<title>About - Moderna Bootstrap Template</title>
<meta content="" name="description">
<meta content="" name="keywords">
<!-- Favicons -->
<link href="assets/img/favicon.png" rel="icon">
<link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">
<!-- Google Fonts -->
<link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Roboto:300,300i,400,400i,500,500i,700,700i&ampquot" rel="stylesheet">
<!-- Vendor CSS Files -->
<link href="assets/vendor/animate.css/animate.min.css" rel="stylesheet">
<link href="assets/vendor/aos/aos.css" rel="stylesheet">
<link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
<link href="assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
<link href="assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
<link href="assets/vendor/lightbox/css/lightbox.min.css" rel="stylesheet">
<link href="assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">
<!-- Template Main CSS File -->
<link href="assets/css/style.css" rel="stylesheet">
<!-- ===== -->
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

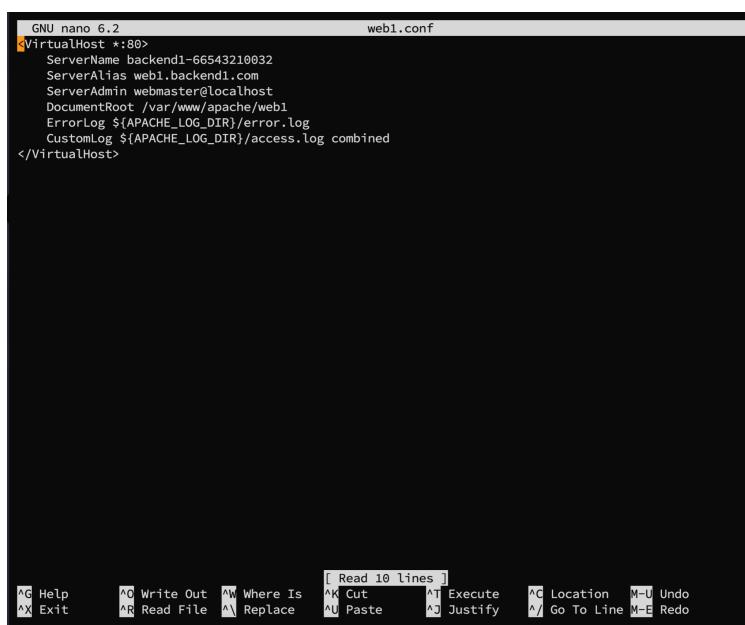
```
devuser@backend1-66543210032:/var/www/apache/web1$ ./WEB1
bash: ./WEB1: No such file or directory
devuser@backend1-66543210032:/var/www/apache/web1$ ./RUN_WEB1
bash: ./RUN_WEB1: No such file or directory
devuser@backend1-66543210032:/var/www/apache/web1$
```

Ln 1, Col 1 Spaces: 2 UTF-8 CRLF HTML

cd /etc/apache2/sites-available/ (เข้าไปในโฟลเดอร์ sites-available apache2)  
sudo cp 000-default.conf web1.conf (คัดลอกไฟล์ default ของ apache2)

```
devuser@backend1-66543210032:~$ cd /etc/apache2/sites-available/
devuser@backend1-66543210032:/etc/apache2/sites-available$ ls
000-default.conf  default-ssl.conf  web1.conf
```

sudo nano web1.conf (เข้าไฟล์ web1)

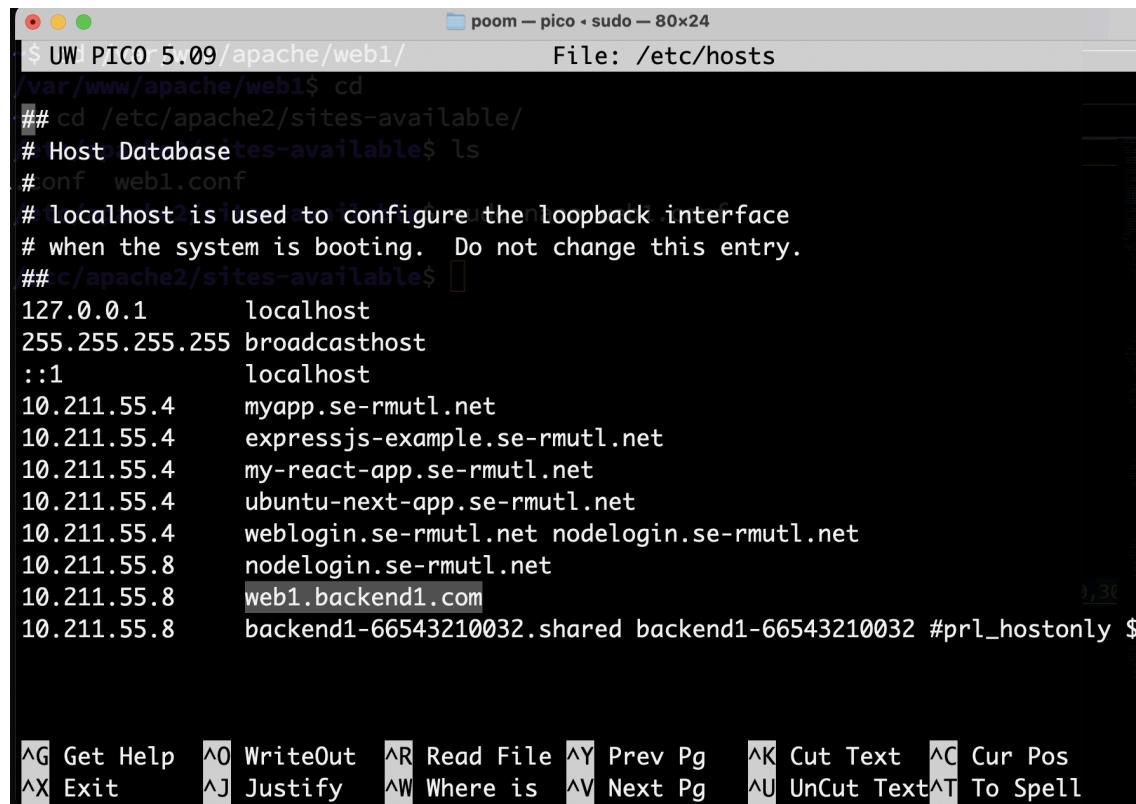


```
GNU nano 6.2                               web1.conf
VirtualHost *:80
  ServerName backend1-66543210032
  ServerAlias web1.backend1.com
  ServerAdmin webmaster@localhost
  DocumentRoot /var/www/apache/web1
  ErrorLog ${APACHE_LOG_DIR}/error.log
  CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
```

Help Write Out Where Is Read 10 lines Cut Execute Location Undo Exit Read File Replace Paste Justify Go To Line Redo

```
sudo a2ensite web1
systemctl reload apache2 (restart apache2)
```

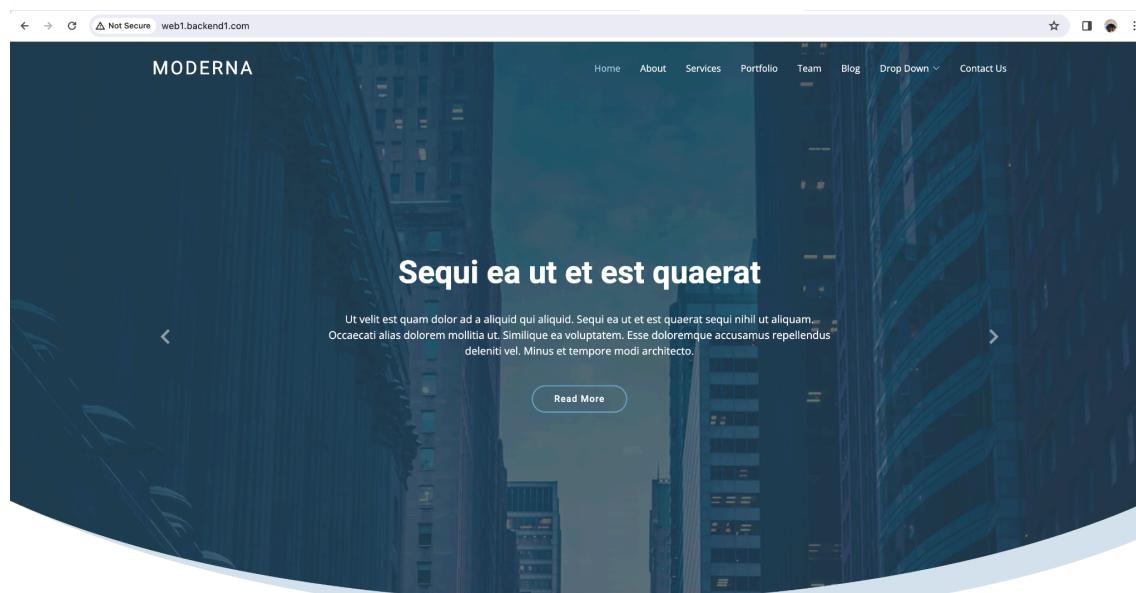
10.211.55.8 web1.backend1.com (edit in terminal -> sudo nano /etc/hosts)



```
$ UW| PICO-5.09/apache/web1/          File: /etc/hosts
/var/www/apache/web1$ cd
## cd /etc/apache2/sites-available/
# Host Databasetes-available$ ls
#conf web1.conf
# localhost is used to configure the loopback interface
# when the system is booting. Do not change this entry.
###c/apache2/sites-available$ 
127.0.0.1      localhost
255.255.255.255 broadcasthost
::1            localhost
10.211.55.4    myapp.se-rmutl.net
10.211.55.4    expressjs-example.se-rmutl.net
10.211.55.4    my-react-app.se-rmutl.net
10.211.55.4    ubuntu-next-app.se-rmutl.net
10.211.55.4    weblogin.se-rmutl.net nodelogin.se-rmutl.net
10.211.55.8    nodelogin.se-rmutl.net
10.211.55.8    web1.backend1.com
10.211.55.8    backend1-66543210032.shared backend1-66543210032 #prl_hostonly $
```

^G Get Help ^O WriteOut ^R Read File ^Y Prev Pg ^K Cut Text ^C Cur Pos  
^X Exit ^J Justify ^W Where is ^V Next Pg ^U UnCut Text ^T To Spell

<http://web1.backend1.com/>

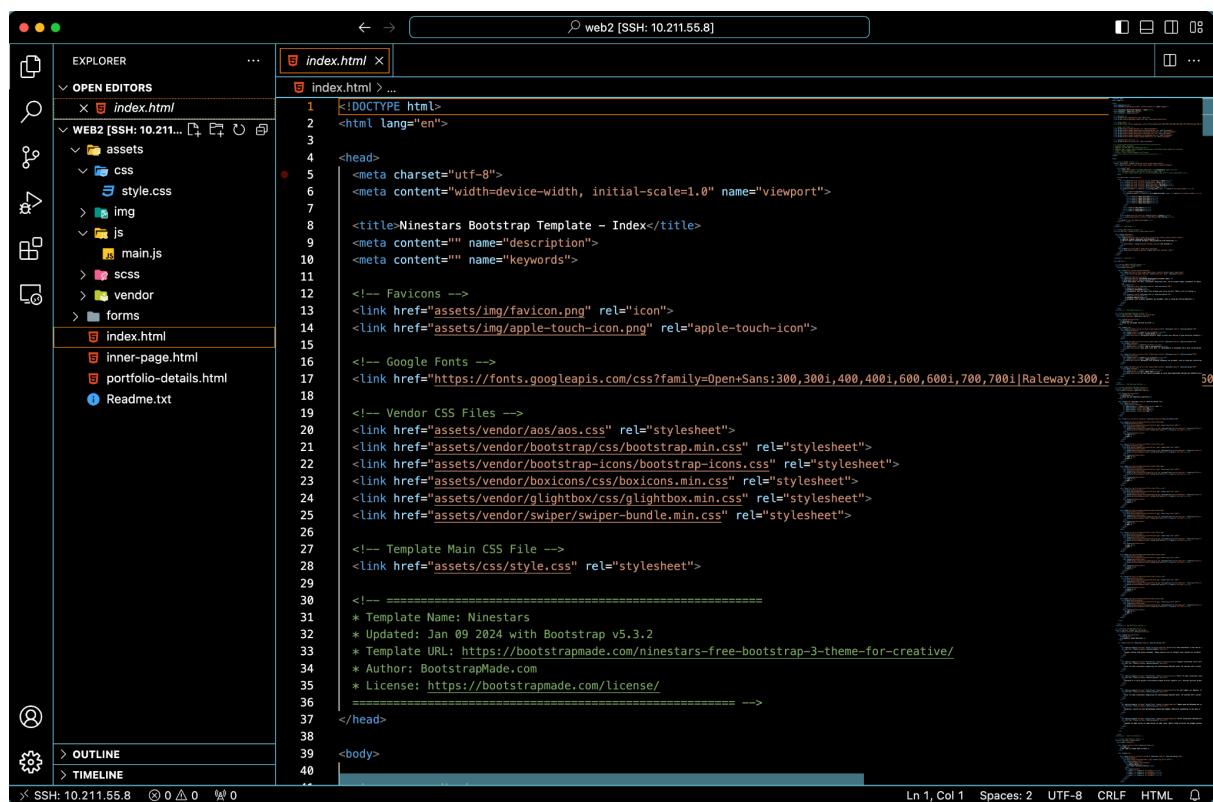


## step 6.2 (nginx)

```
cd /var/www/ (เข้าไปในโฟล์เดอร์ lab4)
mkdir nginx (สร้างไฟล์ nginx)
cd nginx (เข้าไปในโฟล์เดอร์ nginx)
mkdir web2 (สร้างไฟล์ web2)
cd web2 (เข้าไปในโฟล์เดอร์ web2)
```

```
devuser@backend1-66543210032:/var/www$ sudo mkdir nginx
devuser@backend1-66543210032:/var/www$ cd nginx
devuser@backend1-66543210032:/var/www/nginx$ sudo mkdir web2
devuser@backend1-66543210032:/var/www/nginx$ cd web2/
devuser@backend1-66543210032:/var/www/nginx/web2$ █
```

เข้าไปในไฟล์ web2 ของ vscode และนำ source เข้าไปใส่



```
index.html X
index.html ...
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="utf-8">
6   <meta content="width=device-width, initial-scale=1.0" name="viewport">
7
8   <title>Ninestars Bootstrap Template - Index</title>
9   <meta content="" name="description">
10  <meta content="" name="keywords">
11
12  <!-- Favicons -->
13  <link href="assets/img/favicon.png" rel="icon">
14  <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">
15
16  <!-- Google Fonts -->
17  <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Raleway:300,400,500,600,700,800&ampampdisplay=block">
18
19  <!-- Vendor CSS Files -->
20  <link href="assets/vendor/aos/aos.css" rel="stylesheet">
21  <link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
22  <link href="assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
23  <link href="assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
24  <link href="assets/vendor/lightbox/css/lightbox.min.css" rel="stylesheet">
25  <link href="assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">
26
27  <!-- Template Main CSS File -->
28  <link href="assets/css/style.css" rel="stylesheet">
29
30  <!-- ===== -->
31  * Template Name: Ninestars
32  * Updated: Jan 09 2024 with Bootstrap v5.3.2
33  * Template URL: https://bootstrapmade.com/ninestars-free-bootstrap-3-theme-for-creative/
34  * Author: BootstrapMade.com
35  * License: https://bootstrapmade.com/license/
36  ===== -->
37 </head>
38
39 <body>
40
```

cd /etc/nginx/sites-available (เข้าไปยังโฟล์เดอร์)  
sudo cp default web2 (คัดลอกไฟล์มา)

```
devuser@backend1-66543210032:/var/www/nginx/web2$ cd
devuser@backend1-66543210032:~$ cd /etc/nginx/sites-available/
devuser@backend1-66543210032:/etc/nginx/sites-available$ ls
default nodelogin
devuser@backend1-66543210032:/etc/nginx/sites-available$ sudo cp default web2
devuser@backend1-66543210032:/etc/nginx/sites-available$ ls
default nodelogin web2
devuser@backend1-66543210032:/etc/nginx/sites-available$ sudo nano web2
```

sudo nano web2 (เข้าไปยังไฟล์เพื่อแก้ไข)

```
server {
    listen 81 default_server;
    listen [::]:81 default_server;

    root /var/www/nginx/web2;

    index index.html index.htm index.nginx-debian.html;

    server_name web2.backend1.com;

    location / {
        try_files $uri $uri/ =404;
    }
}

^G Help      ^O Write Out  ^W Where Is  ^K Cut      ^T Execute  ^C Location  M-U Undo
^X Exit      ^R Read File  ^\ Replace   ^U Paste    ^J Justify  ^/ Go To Line M-E Redo
```

sudo ufw allow 81 (อนุญาต port 81)

```
devuser@backend1-66543210032:~$ sudo ufw status
Status: active

To                         Action      From
--                         --          --
Nginx HTTP                  ALLOW       Anywhere
OpenSSH                     ALLOW       Anywhere
3003                        ALLOW       Anywhere
Apache                      ALLOW       Anywhere
80                          ALLOW       Anywhere
81                          ALLOW       Anywhere
Nginx HTTP (v6)             ALLOW       Anywhere (v6)
OpenSSH (v6)                 ALLOW       Anywhere (v6)
3003 (v6)                   ALLOW       Anywhere (v6)
Apache (v6)                  ALLOW       Anywhere (v6)
80 (v6)                     ALLOW       Anywhere (v6)
81 (v6)                     ALLOW       Anywhere (v6)
```

```
devuser@backend1-66543210032:~$ sudo ufw allow 81
Skipping adding existing rule
Skipping adding existing rule (v6)
```

sudo systemctl restart nginx (ทำการ restart nginx)

```
devuser@backend1-66543210032:~$ sudo systemctl restart nginx
```

sudoปัญหาที่เจอจากการใช้คำสั่ง sudo systemctl restart nginx  
และการแก้ไข

```
devuser@backend1-66543210032:~$ sudo systemctl restart nginx
Job for nginx.service failed because the control process exited with error code.
See "systemctl status nginx.service" and "journalctl -xeu nginx.service" for details.
devuser@backend1-66543210032:~$ sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
     Active: failed (Result: exit-code) since Thu 2024-01-18 08:02:53 UTC; 34s ago
       Docs: man:nginx(8)
   Process: 5329 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
   Process: 5330 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=1/FAILURE)
     CPU: 27ms

Jan 18 08:02:51 backend1-66543210032 nginx[5330]: nginx: [emerg] bind() to 0.0.0.0:80 failed (98: Unknown error)
Jan 18 08:02:51 backend1-66543210032 nginx[5330]: nginx: [emerg] bind() to [::]:80 failed (98: Unknown error)
Jan 18 08:02:52 backend1-66543210032 nginx[5330]: nginx: [emerg] bind() to 0.0.0.0:80 failed (98: Unknown error)
Jan 18 08:02:52 backend1-66543210032 nginx[5330]: nginx: [emerg] bind() to [::]:80 failed (98: Unknown error)
Jan 18 08:02:52 backend1-66543210032 nginx[5330]: nginx: [emerg] bind() to 0.0.0.0:80 failed (98: Unknown error)
Jan 18 08:02:52 backend1-66543210032 nginx[5330]: nginx: [emerg] bind() to [::]:80 failed (98: Unknown error)
Jan 18 08:02:53 backend1-66543210032 nginx[5330]: nginx: [emerg] still could not bind()
Jan 18 08:02:53 backend1-66543210032 systemd[1]: nginx.service: Control process exited, code=exited, status=1/FAILURE
Jan 18 08:02:53 backend1-66543210032 systemd[1]: nginx.service: Failed with result 'exit-code'.
Jan 18 08:02:53 backend1-66543210032 systemd[1]: Failed to start A high performance web server and a reverse proxy
lines 1-18/18 (END)
devuser@backend1-66543210032:~$ sudo systemctl start nginx
Job for nginx.service failed because the control process exited with error code.
See "systemctl status nginx.service" and "journalctl -xeu nginx.service" for details.
devuser@backend1-66543210032:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
     Active: active (running) since Thu 2024-01-18 06:56:24 UTC; 1h 8min ago
       Docs: https://httpd.apache.org/docs/2.4/
   Process: 4309 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
 Main PID: 4313 (apache2)
    Tasks: 55 (limit: 4524)
      Memory: 12.3M
        CPU: 583ms
      CGroup: /system.slice/apache2.service
           ├─4313 /usr/sbin/apache2 -k start
           ├─4314 /usr/sbin/apache2 -k start
           └─4315 /usr/sbin/apache2 -k start
```

```
Jan 18 06:56:24 backend1-66543210032 systemd[1]: Starting The Apache HTTP Server...
Jan 18 06:56:24 backend1-66543210032 apachectl[4312]: AH00558: apache2: Could not reliably determine the server's fully qualified name, using backend1-66543210032. in /etc/hosts
Jan 18 06:56:24 backend1-66543210032 systemd[1]: Started The Apache HTTP Server.

devuser@backend1-66543210032:~$ sudo systemctl stop apache2
sudo: command not found
devuser@backend1-66543210032:~$ sudo systemctl stop apache2
devuser@backend1-66543210032:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
     Active: inactive (dead) since Thu 2024-01-18 08:05:20 UTC; 6s ago
       Docs: https://httpd.apache.org/docs/2.4/
   Process: 4309 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Process: 5353 ExecStop=/usr/sbin/apachectl graceful-stop (code=exited, status=0/SUCCESS)
 Main PID: 4313 (code=exited, status=0/SUCCESS)
    CPU: 610ms

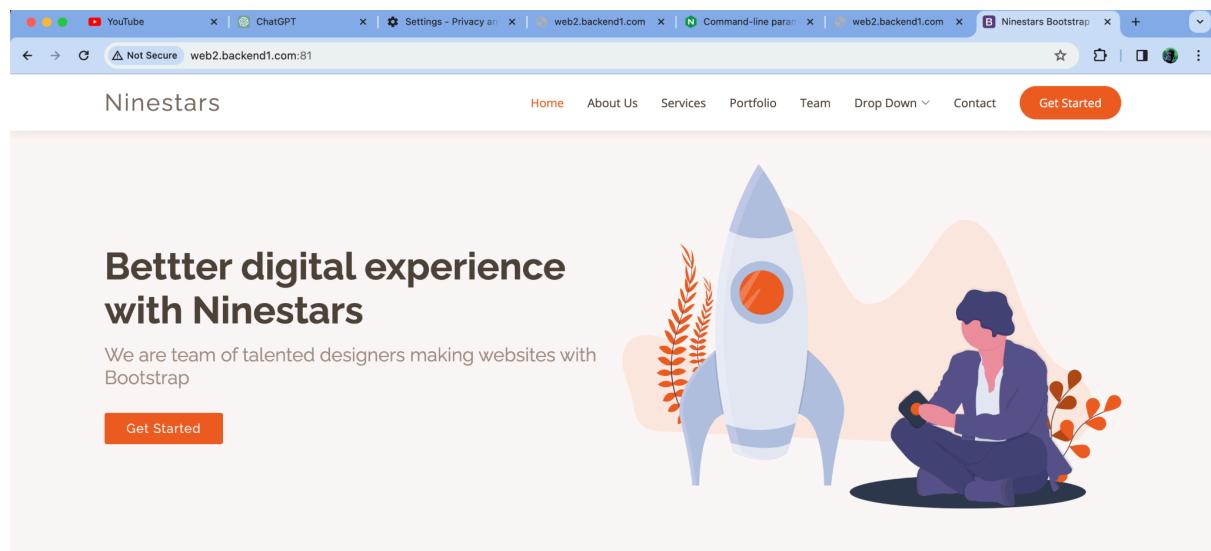
Jan 18 06:56:24 backend1-66543210032 systemd[1]: Starting The Apache HTTP Server...
Jan 18 06:56:24 backend1-66543210032 apachectl[4312]: AH00558: apache2: Could not reliably determine the server's fully qualified name, using backend1-66543210032. in /etc/hosts
Jan 18 06:56:24 backend1-66543210032 systemd[1]: Started The Apache HTTP Server...
Jan 18 08:05:20 backend1-66543210032 systemd[1]: Stopping The Apache HTTP Server...
Jan 18 08:05:20 backend1-66543210032 apachectl[5355]: AH00558: apache2: Could not reliably determine the server's fully qualified name, using backend1-66543210032. in /etc/hosts
Jan 18 08:05:20 backend1-66543210032 systemd[1]: apache2.service: Deactivated successfully.
Jan 18 08:05:20 backend1-66543210032 systemd[1]: Stopped The Apache HTTP Server.

devuser@backend1-66543210032:~$ sudo systemctl start nginx
devuser@backend1-66543210032:~$
```

10.211.55.8 web2.backend1.com (edit in terminal -> sudo nano /etc/hosts)

```
do UW/PICO 5.09rt nginx          File: /etc/hosts
use the control process exited with error code.
" and "journalctl -xeu nginx.service" for details.
## systemctl status apache2
# Host Database
#system/apache2.service; enabled; vendor preset: enabled)
# localhost is used to configure the loopback interface
# when the system is booting. Do not change this entry.
##[root@web2 backend1]# /bin/papachectl start (code=exited, status=0/SUCCESS)
127.0.0.1      localhost
255.255.255.255 broadcasthost
::1            localhost
10.211.55.4    myapp.se-rmutl.net
10.211.55.4    expressjs-example.se-rmutl.net
10.211.55.4    my-react-app.se-rmutl.net
10.211.55.4    ubuntu-next-app.se-rmutl.net
10.211.55.4 : Stweblogin.se-rmutl.net nodelogin.se-rmutl.net
10.211.55.8 : nodelogin.se-rmutl.net [4312] could not reliably determine the server's f>
10.211.55.8    web1.backend1.com
10.211.55.8    web2.backend1.com
10.211.55.8    backend1-66543210032.shared backend1-66543210032 #prl_hostonly $ 
do systemctl stop apache2
do systemctl status apache2
^G Get Help  ^O WriteOut  ^R Read File  ^Y Prev Pg  ^K Cut Text  ^C Cur Pos
^X Exit     ^J Justify   ^W Where is  ^V Next Pg  ^U UnCut Text^T To Spell
```

[web2.backend1.com](http://web2.backend1.com)

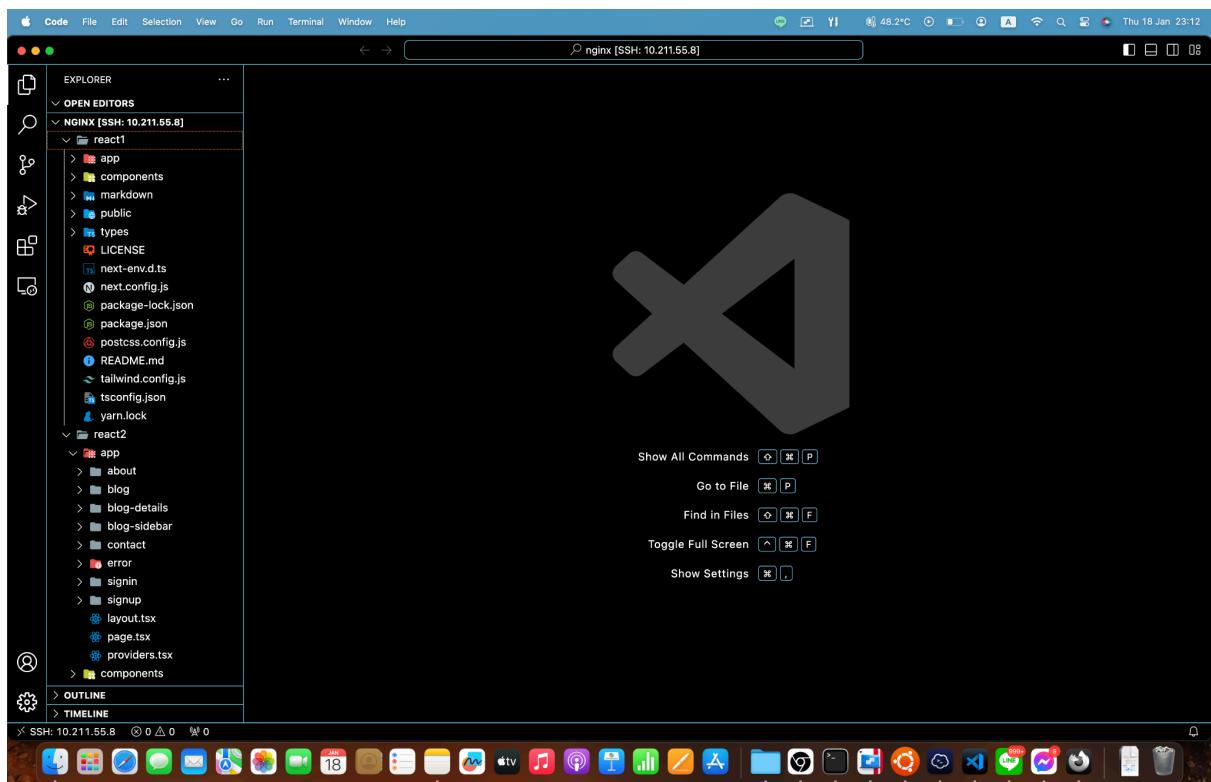


## step 8

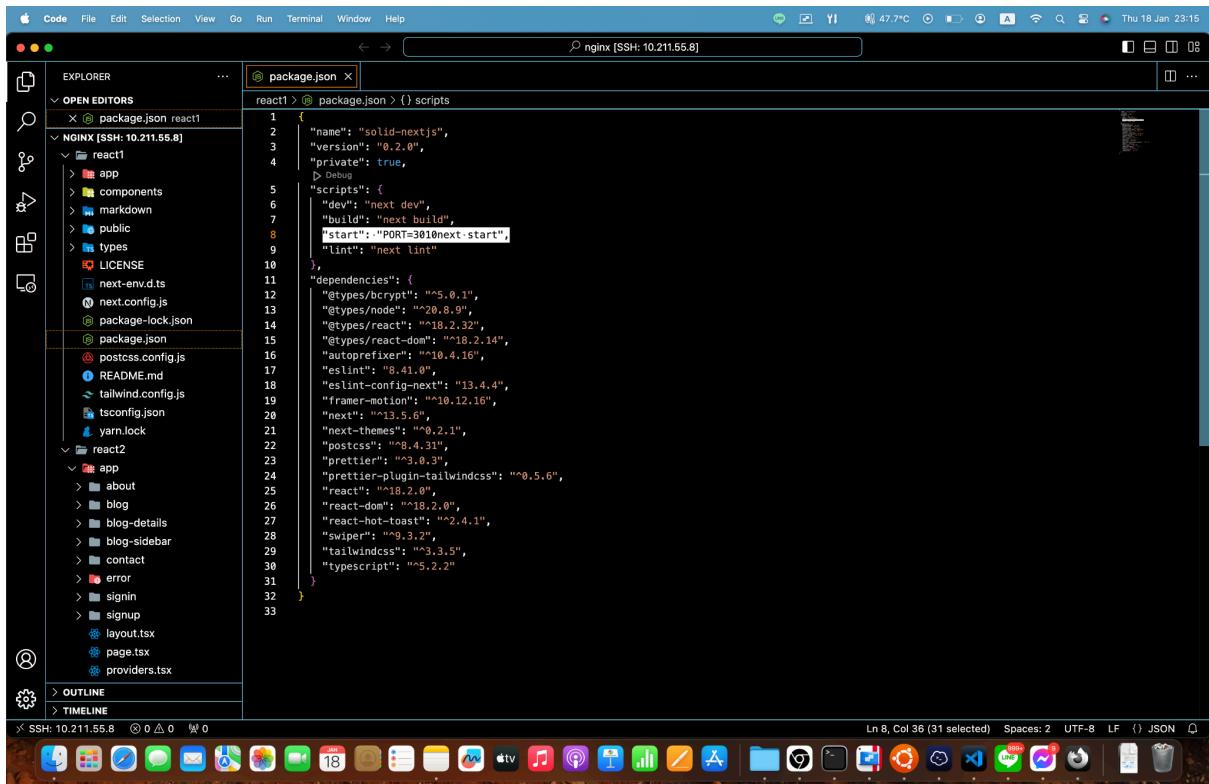
```
cd /var/www/nginx (เข้าไปในโฟลเดอร์ nginx)
mkdir react1 (สร้างไฟล์ react1)
mkdir react2 (สร้างไฟล์ react2)
```

```
devuser@backend1-66543210032:/var/www/nginx$ sudo mkdir react1
[sudo] password for devuser:
devuser@backend1-66543210032:/var/www/nginx$ sudo mkdir react2
devuser@backend1-66543210032:/var/www/nginx$
```

เข้าไปในไฟล์ react1 และ react2 ของ vscode และนำ sourcecode เข้าไปใส่

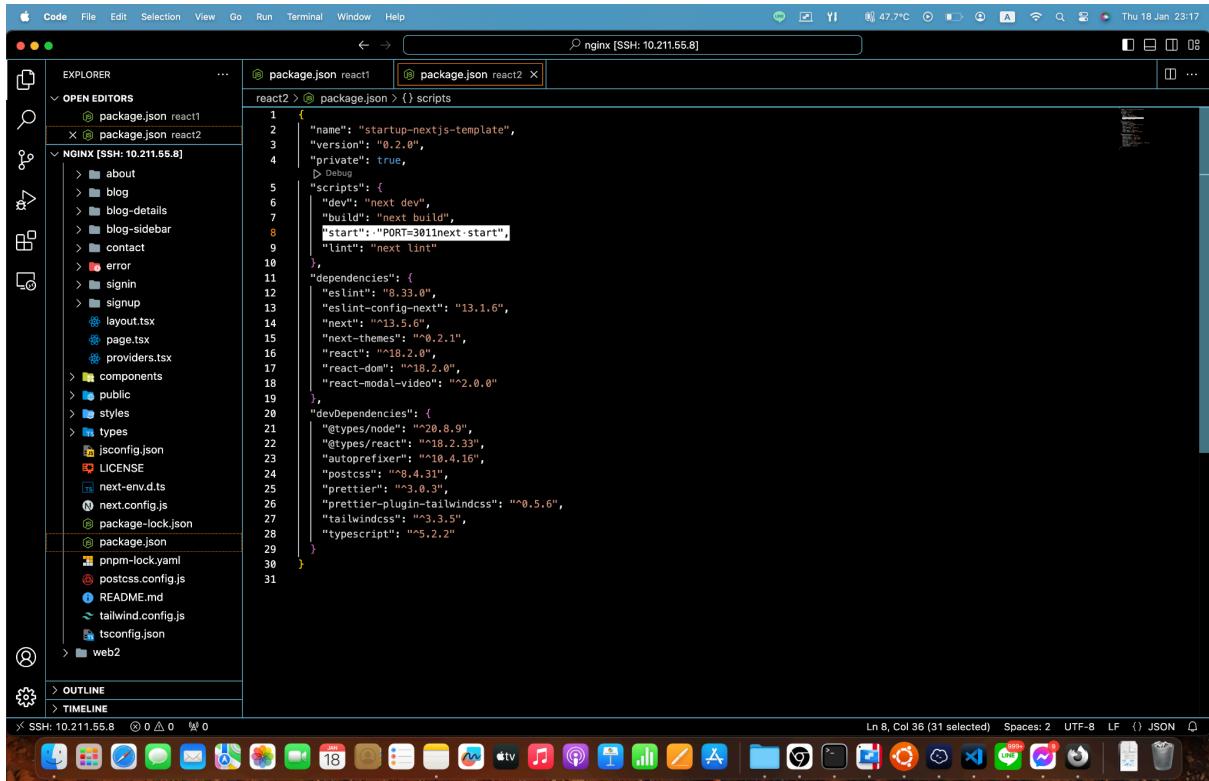


## เพิ่ม port 3010 (react1) และ port 3011 (react2)



VS Code screenshot showing the package.json file for the react1 project. The file content includes:

```
1 {
  "name": "solid-nextjs",
  "version": "0.2.0",
  "private": true,
  "scripts": {
    "dev": "next dev",
    "build": "next build",
    "start": "PORT=3010next start",
    "lint": "next lint"
  },
  "dependencies": {
    "@types/bcrypt": "^5.0.1",
    "@types/node": "^20.8.9",
    "@types/react": "^18.2.32",
    "@types/react-dom": "^18.2.14",
    "autoprefixer": "^10.4.16",
    "eslint": "8.41.0",
    "eslint-config-next": "13.4.4",
    "framer-motion": "10.12.16",
    "next": "13.5.6",
    "next-themes": "0.2.1",
    "postcss": "8.4.31",
    "prettier": "3.0.3",
    "prettier-plugin-tailwindcss": "0.5.6",
    "react": "18.2.0",
    "react-dom": "18.2.0",
    "react-hot-toast": "2.4.1",
    "swiper": "9.3.2",
    "tailwindcss": "3.3.5",
    "typescript": "5.2.2"
  }
}
```



VS Code screenshot showing the package.json file for the react2 project. The file content includes:

```
1 {
  "name": "startup-nextjs-template",
  "version": "0.2.0",
  "private": true,
  "scripts": {
    "dev": "next dev",
    "build": "next build",
    "start": "PORT=3011next start",
    "lint": "next lint"
  },
  "dependencies": {
    "eslint": "8.33.0",
    "eslint-config-next": "13.1.6",
    "next": "13.5.6",
    "next-themes": "0.2.1",
    "react": "18.2.0",
    "react-dom": "18.2.0",
    "react-modal-video": "2.0.0"
  },
  "devDependencies": {
    "@types/node": "20.8.9",
    "@types/react": "18.2.33",
    "autoprefixer": "10.4.16",
    "postcss": "8.4.31",
    "prettier": "3.0.3",
    "prettier-plugin-tailwindcss": "0.5.6",
    "tailwindcss": "3.3.5",
    "typescript": "5.2.2"
  }
}
```

```
cd /etc/nginx/sites-available (เข้าไปยังโฟล์เดอร์)
sudo cp web2 react1 (คัดลอกไฟล์มา)
```

```
devuser@backend1-66543210032:/etc/nginx/sites-available$ sudo cp web2 react1
devuser@backend1-66543210032:/etc/nginx/sites-available$ ls
react1  web2
```

sudo nano react1 (เข้าไปยังไฟล์เพื่อแก้ไข)

```
GNU nano 6.2                                         web2 *
server {
    listen 80;
    listen [::]:80;
    server_name react1.backend1.com;

    location / {
        proxy_pass http://127.0.0.1:3010; # !!! - change to your app port
        proxy_http_version 1.1;
        proxy_set_header Upgrade $http_upgrade;
        proxy_set_header Connection 'upgrade';
        proxy_set_header Host $host;
        proxy_cache_bypass $http_upgrade;
    }
}
```

□

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo  
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo

```
sudo cp react1 react2 (คัดลอกไฟล์มา)
sudo nano react2 (เข้าไปยังไฟล์เพื่อแก้ไข)
```

```
devuser@backend1-66543210032:/etc/nginx/sites-available$ sudo cp react1 react2
devuser@backend1-66543210032:/etc/nginx/sites-available$ sudo nano react2
```

```
GNU nano 6.2                                         react2 *
```

```
server {  
    listen 80;  
    listen [::]:80;  
    server_name react2.backend2.com;  
  
    location / {  
        proxy_pass http://127.0.0.1:3011; # !!! - change to your app port  
        proxy_http_version 1.1;  
        proxy_set_header Upgrade $http_upgrade;  
        proxy_set_header Connection 'upgrade';  
        proxy_set_header Host $host;  
        proxy_cache_bypass $http_upgrade;  
    }  
}
```

AG Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo  
AX Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo

sudo ufw allow 3010 (อนุญาต port 3010)  
sudo ufw allow 3011 (อนุญาต port 3011)

```
devuser@backend1-66543210032:/etc/nginx/sites-available$ sudo ufw allow 3010  
Rule added  
Rule added (v6)  
devuser@backend1-66543210032:/etc/nginx/sites-available$ sudo ufw allow 3011  
Rule added  
Rule added (v6)
```

sudo systemctl restart nginx (ทำการ restart nginx)

```
devuser@backend1-66543210032:/etc/nginx/sites-available$ sudo systemctl restart nginx  
devuser@backend1-66543210032:/etc/nginx/sites-available$ █
```

10.211.55.5 react1.backend1.com

10.211.55.5 react2.backend2.com (edit in terminal -> sudo nano /etc/hosts)

```
● ● ●
UW PICO 5.09          File: /etc/hosts           Modified
10.211.55.4 expressjs-example.se-rmutil.net
10.211.55.4 my-react-app.se-rmutil.net
10.211.55.4 ubuntu-next-app.se-rmutil.net
10.211.55.4 weblogin.se-rmutil.net nodelogin.se-rmutil.net
10.211.55.8 nodelogin.se-rmutil.net
10.211.55.8 web1.backend1.com
10.211.55.8 react1.backend1.com
10.211.55.8 react2.backend1.com
10.211.55.8 web2.backend1.com
10.211.55.8 inx/backend1-66543210032.shared backend1-66543210032 #prl_hostonly $er:
032:/etc/nginx/sites-available$ ls

032:/etc/nginx/sites-available$ sudo nano react1
032:/etc/nginx/sites-available$ sudo rm react1/
/: Is a directory
032:/etc/nginx/sites-available$ sudo rmdir react1/
032:/etc/nginx/sites-available$ ls

032:/etc/nginx/sites-available$ sudo nano web2
^G Get Help in ^O Write Out in ^R Read File ^Y Prev Pgact ^K Cut Text ^C Cur Pos
^X Exit ^J Justify ^I Whereis ^W Next Pg ^U UnCut Text ^T To Spell
```

## react1.backend1.com

The screenshot shows the Material Dashboard 2 Billing page. On the left, a sidebar navigation includes Dashboard, Tables, Billing (which is selected and highlighted in blue), RTL, Notifications, Profile, Sign In, and Sign Up. A blue button at the bottom of the sidebar says "UPGRADE TO PRO". The main content area has a header "Billing". It displays a summary section with a large card number (4562 1122 4594 7852) and payment method details for "Belong Interactive" and "Freelance Payment". Below this is a "Payment Method" section showing two cards: a Mastercard ending in 7852 and a VISA card ending in 5248. To the right is an "Invoices" section listing several invoices with dates, amounts, and PDF links. At the bottom is a "Your Transaction's" section showing recent transactions for Netflix, Apple, and Stripe.

Date	Description	Amount
March, 01, 2020	Viking Burrito	\$180
February, 10, 2021	Freelance Payment	\$250
April, 05, 2020	Belong Interactive	\$120
June, 25, 2019	Stone Tech Zone	\$180
March, 01, 2019	Stripe	\$300

8.2 ติดตั้ง React template (template ที่2) ที่ได้มาจากการ step7 ทำงานบน Nginx ที่  
/var/www/nginx/react2

```
devuser@backend1-66543210032:/var/www/nginx/react2$ npx create-react-app .

Creating a new React app in /var/www/nginx/react2.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1485 packages in 42s
```

```
devuser@backend1-66543210032:/var/www/nginx/react2$ npm install next

added 10 packages, and audited 1564 packages in 5s

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

8 vulnerabilities (2 moderate, 6 high)

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

Run `npm audit` for details.
```

```
devuser@backend1-66543210032:/var/www/nginx/react2$ npm install @mui/material @emotion/react @emotion/styled

added 111 packages, removed 1253 packages, changed 78 packages, and audited 422 packages in 18s

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

1 moderate severity vulnerability

To address all issues, run:
  npm audit fix

Run `npm audit` for details.
devuser@backend1-66543210032:/var/www/nginx/react2$ npm run dev

> material-kit-react@3.0.0 dev
> next -p 3011

  ▲ Next.js 14.0.4
  - Local:          http://localhost:3011
```

```
1  {
2    "name": "material-kit-react",
3    "version": "3.0.0",
4    "author": "Devias",
5    "licence": "MIT",
6    "homepage": "https://devias.io",
7    "private": false,
8    "scripts": {
9      "dev": "next -p 3011",
10     "build": "next build",
11     "start": "next start",
12     "export": "next export",
13     "lint": "next lint",
14     "lint-fix": "next lint --fix"
15   },
16   "dependencies": {
17     "@emotion/cache": "11.11.0",
18     "@emotion/react": "11.11.1",
19     "@emotion/server": "11.11.0",
20     "@emotion/styled": "11.11.0",
21     "@heroicons/react": "2.0.18",
22     "@mui/tab": "5.0.0-alpha.15",
23     "@mui/material": "5.14.20",
24     "@mui/system": "5.14.20",
25     "@mui/x-date-pickers": "6.18.4",
26     "apexcharts": "3.44.2",
27     "date-fns": "2.30.0",
28     "formik": "2.4.5",
29     "next": "14.0.4",
30     "nprogress": "0.2.0",
31     "prop-types": "15.8.1",
32     "react": "18.2.0",
33     "react-apexcharts": "1.4.1",
34     "react-dom": "18.2.0",
35     "simplebar-react": "^3.2.4",
36     "yup": "1.3.2"
37   },
38   "devDependencies": {
39     "@types/node": "20.10.4"
40   }
41 }
```

```
devuser@backend1-66543210032:/etc/nginx/sites-available$ sudo nano react2
[sudo] password for devuser:
devuser@backend1-66543210032:/etc/nginx/sites-available$
```

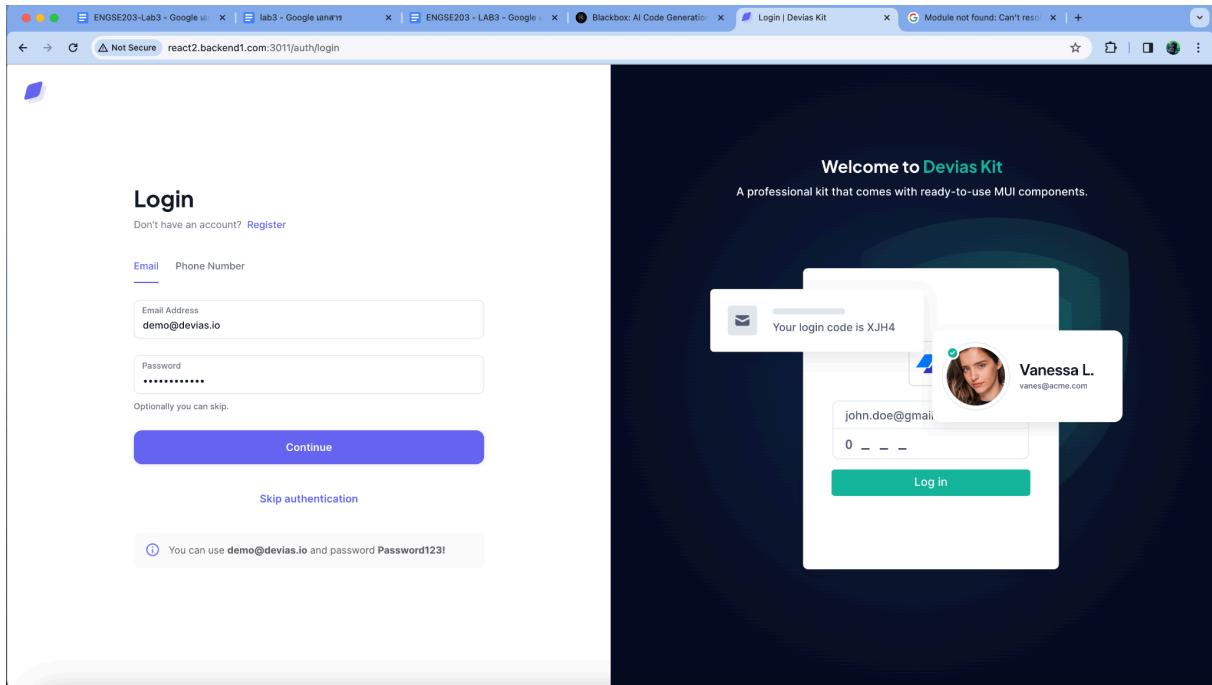
```
GNU nano 6.2                               react2 *
```

```
server {  
    listen 80;  
    listen [::]:80;  
    server_name react2 backend1.com;  
  
    location / {  
        proxy_pass http://127.0.0.1:3011; # !!! - change to your app port  
        proxy_http_version 1.1;  
        proxy_set_header Upgrade $http_upgrade;  
        proxy_set_header Connection 'upgrade';  
        proxy_set_header Host $host;  
        proxy_cache_bypass $http_upgrade;  
    }  
}
```

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute  
^X Exit ^R Read File ^R Replace ^U Paste ^C Location ^L Go To Line M-U Undo  
M-E Redo

```
devuser@backend1-66543210032:/etc/nginx/sites-available$ sudo ufw allow 3011  
Skipping adding existing rule  
Skipping adding existing rule (v6)
```

[react2.backend2.com](http://react2.backend2.com)



The screenshot shows a web browser window with two tabs open. The left tab displays a standard Devias Kit login form with fields for Email and Password, and a 'Continue' button. The right tab displays a dark-themed version of the same login interface, featuring a 'Welcome to Devias Kit' header and a user profile card for 'Vanessa L.'.

**STEP9** ติดตั้งที่ **backend2**