

# Chenbing Li, the University of Glasgow, Free Car



## before continue

⦿ [Django](#) ([must](#)), backend framework

⦿ [Nginx](#) ([must](#)), server

⦿ [Node.js](#) ([if you want to run the development version of frontend](#)), frontend development framework. Because we have the released version in `/build/` so you are not supposed to install this strictly.

**this guide have been proved to be available on the Windows machine.**

## step 1. install the requirements.txt

# you do not need to type them in your command line, it is shown just for the user who wanna install them individually or the people who are curious about our project architecture

`Django==3.1.5`

`djangorestframework==3.12.2`

`django-cors-headers==3.7.0`

run the `./install.sh` in main directory, or run the commands below

```
cd backend
pip install -r requirements.txt
```

## step 2. run the Django migrate to build models

```
python manage.py migrate
```

### step 3. setup the server

```
python manage.py runserver
-----
# optional:: you can also appoint the port as you like, using the
format:
# python manage.py runserver [ip:localhost]
```

### step 4. add the Nginx configuration

replace the `nginx-directory\conf\nginx.conf` with provided one, which is stored in the `build/nginx` configuration. (the `nginx-directory` means the location you install the Nginx). you may need to use different configuration with different OS.

modify the variable `ROOT` in Nginx configuration file

```
# for example, I put the `dist` (the released version of frontend) in
`D:\Document\Project\build`
-----
# in nginx.conf
server{
    ...
    root D:/Document/Project/build/dist; # change it to your dist
location
    ...
}
```

### step 5. start the Nginx

```
cd 'Nginx directory' # Nginx directory is the location you install your
Nginx
start nginx # if you are in Windows
./nginx # if you are in Linux
```

### step 6. visit the free car system

```
https://localhost:80
// the default port may be 80
```