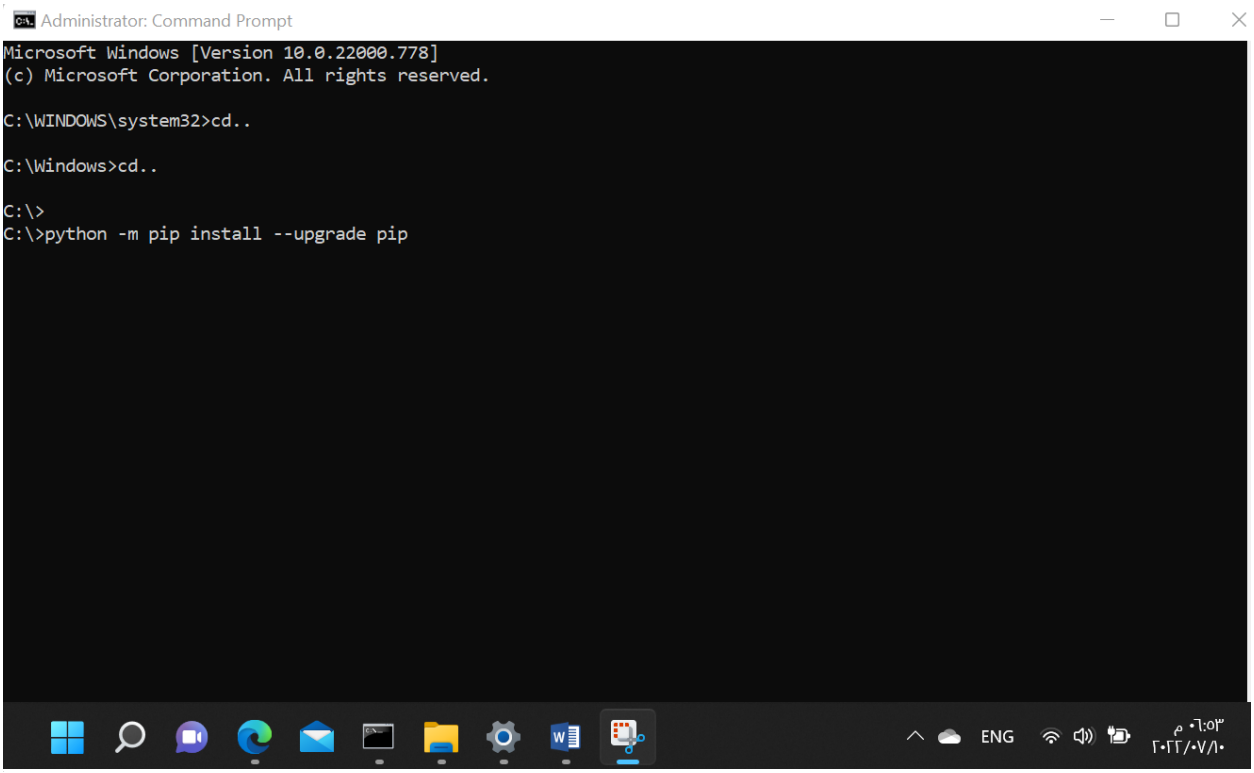
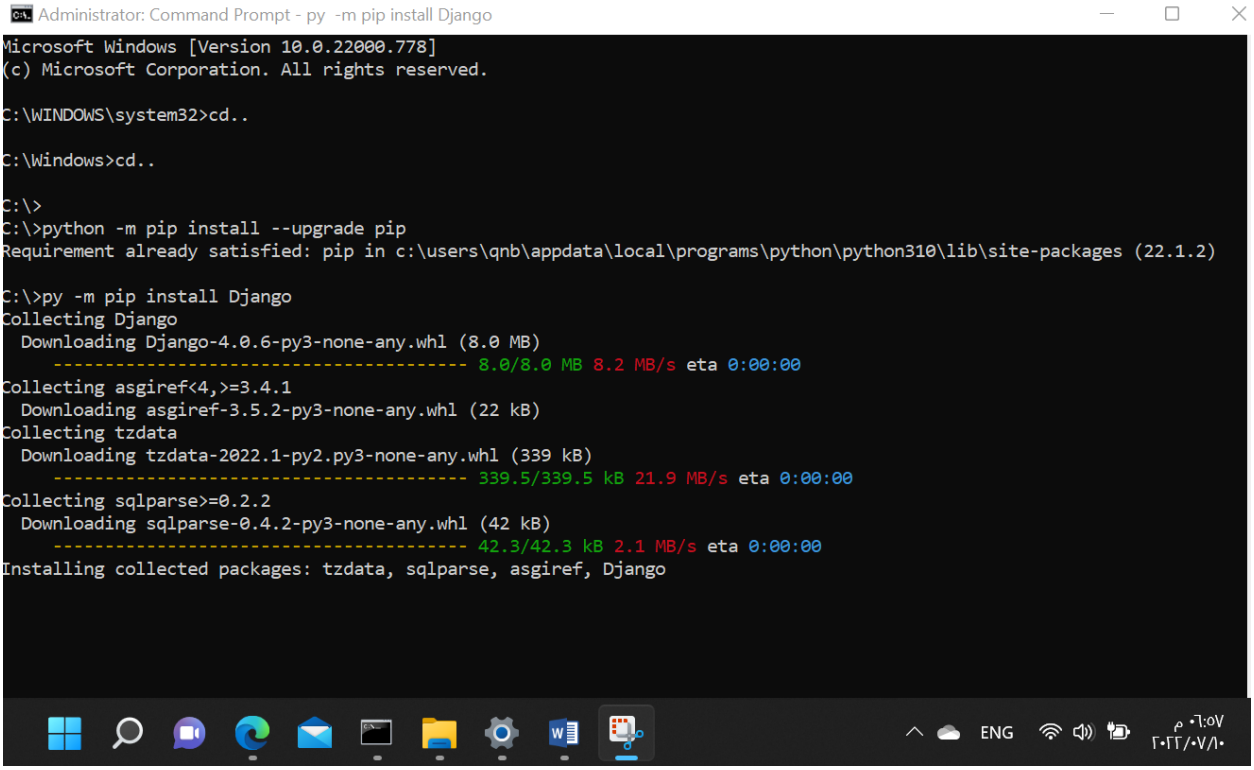
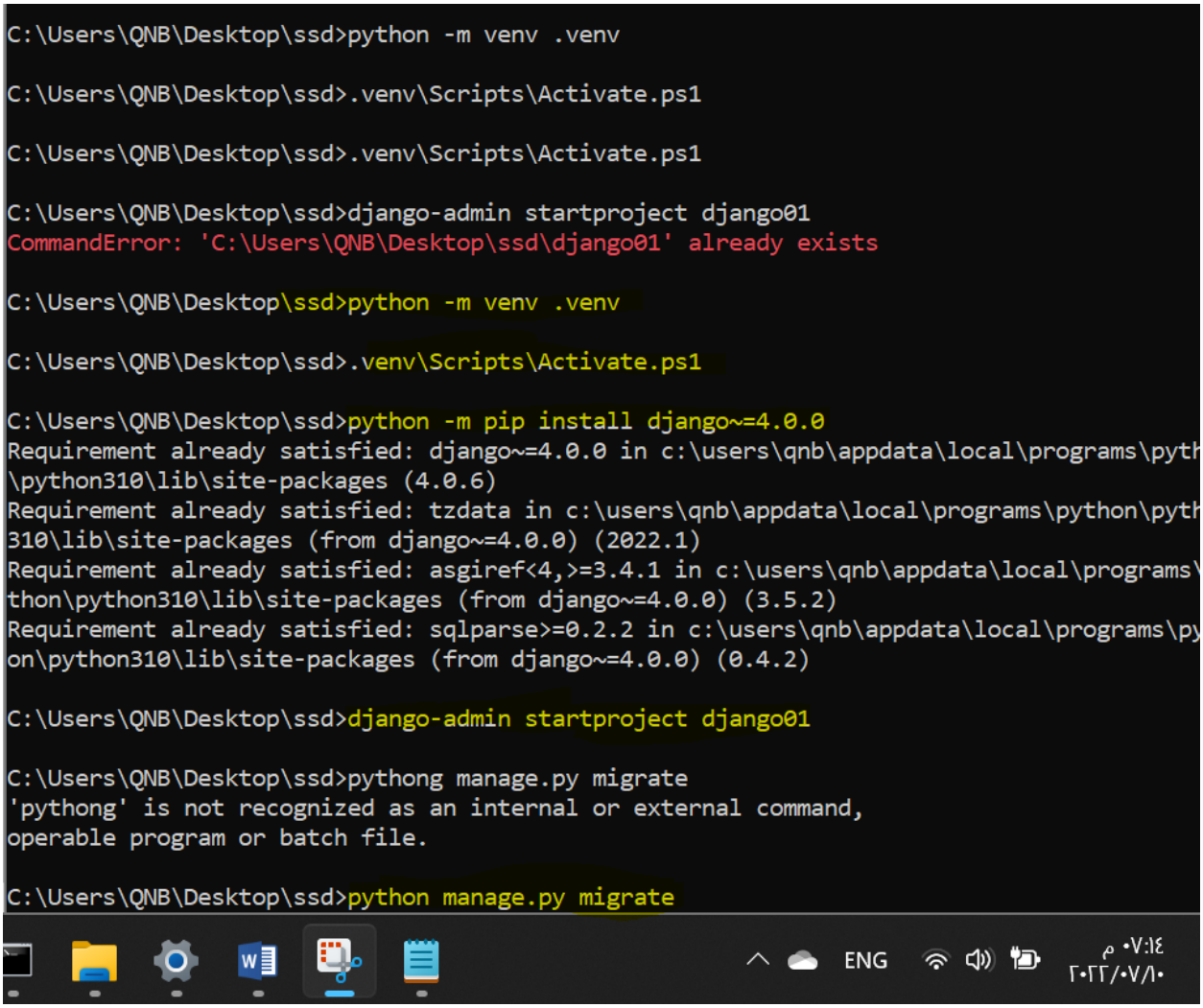
screenshot to Active 2FA&OTP Locally






C:\Users\QNB\Desktop\ssd>python -m venv .venv
C:\Users\QNB\Desktop\ssd>.venv\Scripts\Activate.ps1
C:\Users\QNB\Desktop\ssd>.venv\Scripts\Activate.ps1
C:\Users\QNB\Desktop\ssd>django-admin startproject django01
CommandError: 'C:\Users\QNB\Desktop\ssd\django01' already exists
C:\Users\QNB\Desktop\ssd>python -m venv .venv
C:\Users\QNB\Desktop\ssd>.venv\Scripts\Activate.ps1
C:\Users\QNB\Desktop\ssd>python -m pip install django~=4.0.0
Requirement already satisfied: django~=4.0.0 in c:\users\qnb\appdata\local\programs\pyth
\python310\lib\site-packages (4.0.6)
Requirement already satisfied: tzdata in c:\users\qnb\appdata\local\programs\python\pyth
310\lib\site-packages (from django~=4.0.0) (2022.1)
Requirement already satisfied: asgiref<4,>=3.4.1 in c:\users\qnb\appdata\local\programs\
thon\python310\lib\site-packages (from django~=4.0.0) (3.5.2)
Requirement already satisfied: sqlparse>=0.2.2 in c:\users\qnb\appdata\local\programs\py
on\python310\lib\site-packages (from django~=4.0.0) (0.4.2)
C:\Users\QNB\Desktop\ssd>django-admin startproject django01
C:\Users\QNB\Desktop\ssd>pythong manage.py migrate
'pythong' is not recognized as an internal or external command,
operable program or batch file.
C:\Users\QNB\Desktop\ssd>python manage.py migrate
ENG
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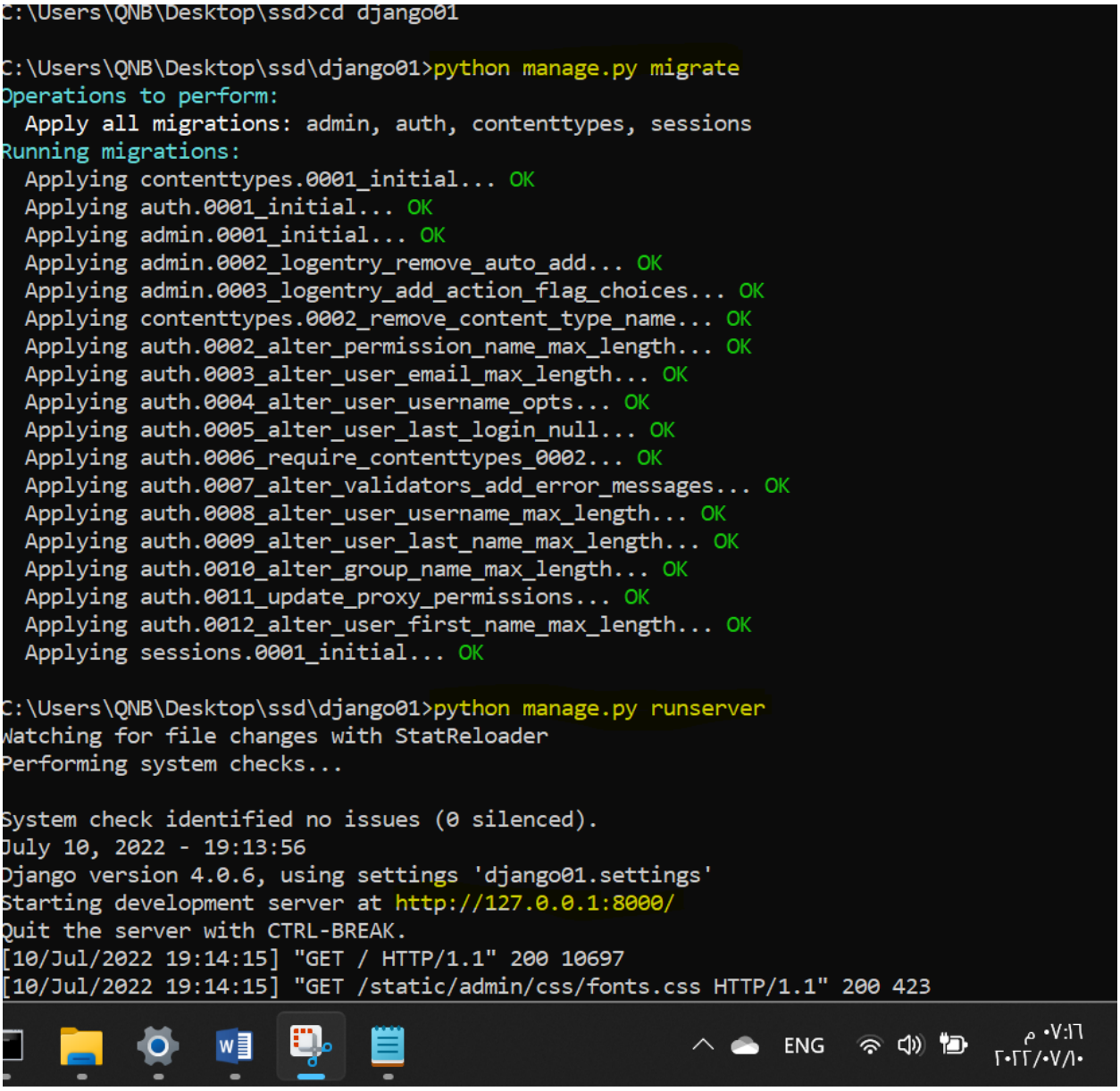
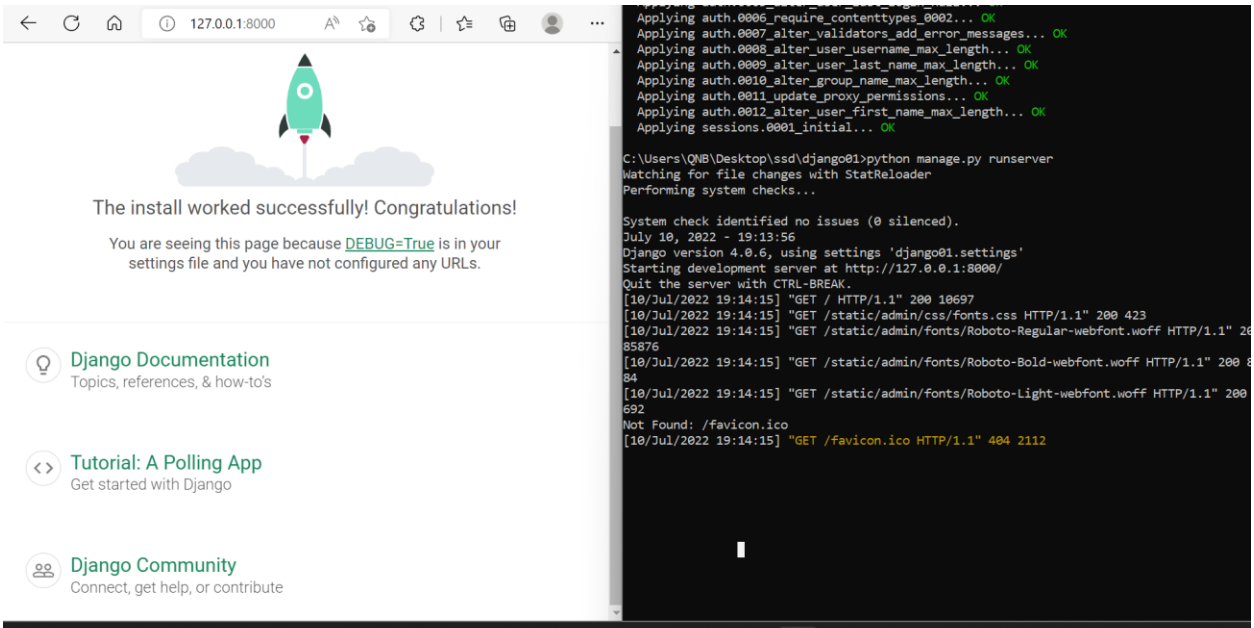

C:\Users\QNB\Desktop\ssd>cd django01
C:\Users\QNB\Desktop\ssd\django01>python manage.py migrate
Operations to perform:
Apply all migrations: admin, auth, contenttypes, sessions
Running migrations:
Applying contenttypes.0001_initial... OK
Applying auth.0001_initial... OK
Applying admin.0001_initial... OK
Applying admin.0002_logentry_remove_auto_add... OK
Applying admin.0003_logentry_add_action_flag_choices... OK
Applying contenttypes.0002_remove_content_type_name... OK
Applying auth.0002_alter_permission_name_max_length... OK
Applying auth.0003_alter_user_email_max_length... OK
Applying auth.0004_alter_user_username_opts... OK
Applying auth.0005_alter_user_last_login_null... OK
Applying auth.0006_require_contenttypes_0002... OK
Applying auth.0007_alter_validators_add_error_messages... OK
Applying auth.0008_alter_user_username_max_length... OK
Applying auth.0009_alter_user_last_name_max_length... OK
Applying auth.0010_alter_group_name_max_length... OK
Applying auth.0011_update_proxy_permissions... OK
Applying auth.0012_alter_user_first_name_max_length... OK
Applying sessions.0001_initial... OK
C:\Users\QNB\Desktop\ssd\django01>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...
System check identified no issues (0 silenced).
July 10, 2022 - 19:13:56
Django version 4.0.6, using settings 'django01.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[10/Jul/2022 19:14:15] "GET / HTTP/1.1" 200 10697
[10/Jul/2022 19:14:15] "GET /static/admin/css/fonts.css HTTP/1.1" 200 423
ENG



settings.py - Notepad

File Edit View

```
ALLOWED_HOSTS = []


# Application definition

INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',      # This is the required lib for authentication
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
]

MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
```

Ln 1, Col 1 100% Windows (CRLF) UTF-8

urls.py - Notepad

File Edit View

```
The `urlpatterns` list routes URLs to views. For more information please see:
    https://docs.djangoproject.com/en/4.0/topics/http/urls/
Examples:
Function views
    1. Add an import:  from my_app import views
    2. Add a URL to urlpatterns:  path('', views.home, name='home')
Class-based views
    1. Add an import:  from other_app.views import Home
    2. Add a URL to urlpatterns:  path('', Home.as_view(), name='home')
Including another URLconf
    1. Import the include() function: from django.urls import include, path
    2. Add a URL to urlpatterns:  path('blog/', include('blog.urls'))
"""
from django.contrib import admin
from django.urls import path, include # Added (include by Ali)

urlpatterns = [
    path('admin/', admin.site.urls),
    path("accounts/", include("django.contrib.auth.urls")),  # Added by Ali
]
```

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login.html - Notepad

File Edit View

```
<h1>Welcome to the Dutch Police Internet Forensics cybercrime reporting site.</h1>
<h1>Welkom op de Nederlandse politie internetforensische meldsite voor cybercriminaliteit.</h1>

<p>This site is provided by the Dutch Police force to allow users to report incidents of cyber crime.<p>
<p>All information provided to this site is governed by the Dutch General Data Protection Regulation.<p>


<h2>Log In</h2>
<form method="post">
  {% csrf_token %}
  {{ form.as_p }}
  <button type="submit">Log In</button>
</form>
```

settings.py - Notepad

File Edit View

```
MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
]

ROOT_URLCONF = 'django01.urls'

TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': [BASE_DIR / "templates"],
        'APP_DIRS': True,
        'OPTIONS': {
            'context_processors': [
                'django.template.context_processors.debug',
                'django.template.context_processors.request',
                'django.contrib.auth.context_processors.auth',
```

Ln 57, Col 40 | 100% | Windows (CRLF)

*settings.py - Notepad

File Edit View

```
# Internationalization
# https://docs.djangoproject.com/en/4.0/topics/i18n/

LANGUAGE_CODE = 'en-us'

TIME_ZONE = 'UTC'

USE_I18N = True

USE_TZ = True

LOGIN_REDIRECT_URL = "/"

# Static files (CSS, JavaScript, Images)
# https://docs.djangoproject.com/en/4.0/howto/static-files/

STATIC_URL = 'static/'

# Default primary key field type
# https://docs.djangoproject.com/en/4.0/ref/settings/#default-auto-field
```

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Select Administrator: Command Prompt - python manage.py runserver

```
C:\>cd Users\QNB\Desktop\ssd\django01

C:\Users\QNB\Desktop\ssd\django01>
C:\Users\QNB\Desktop\ssd\django01>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
July 10, 2022 - 19:38:55
Django version 4.0.6, using settings 'django01.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

127.0.0.1:8000/accounts/login/

Welcome to the Dutch Police Internet Forensics cybercrime reporting site.

Welkom op de Nederlandse politie internetforensische meldsite voor cybercriminaliteit.

This site is provided by the Dutch Police force to allow users to report incidents of cyber crime.

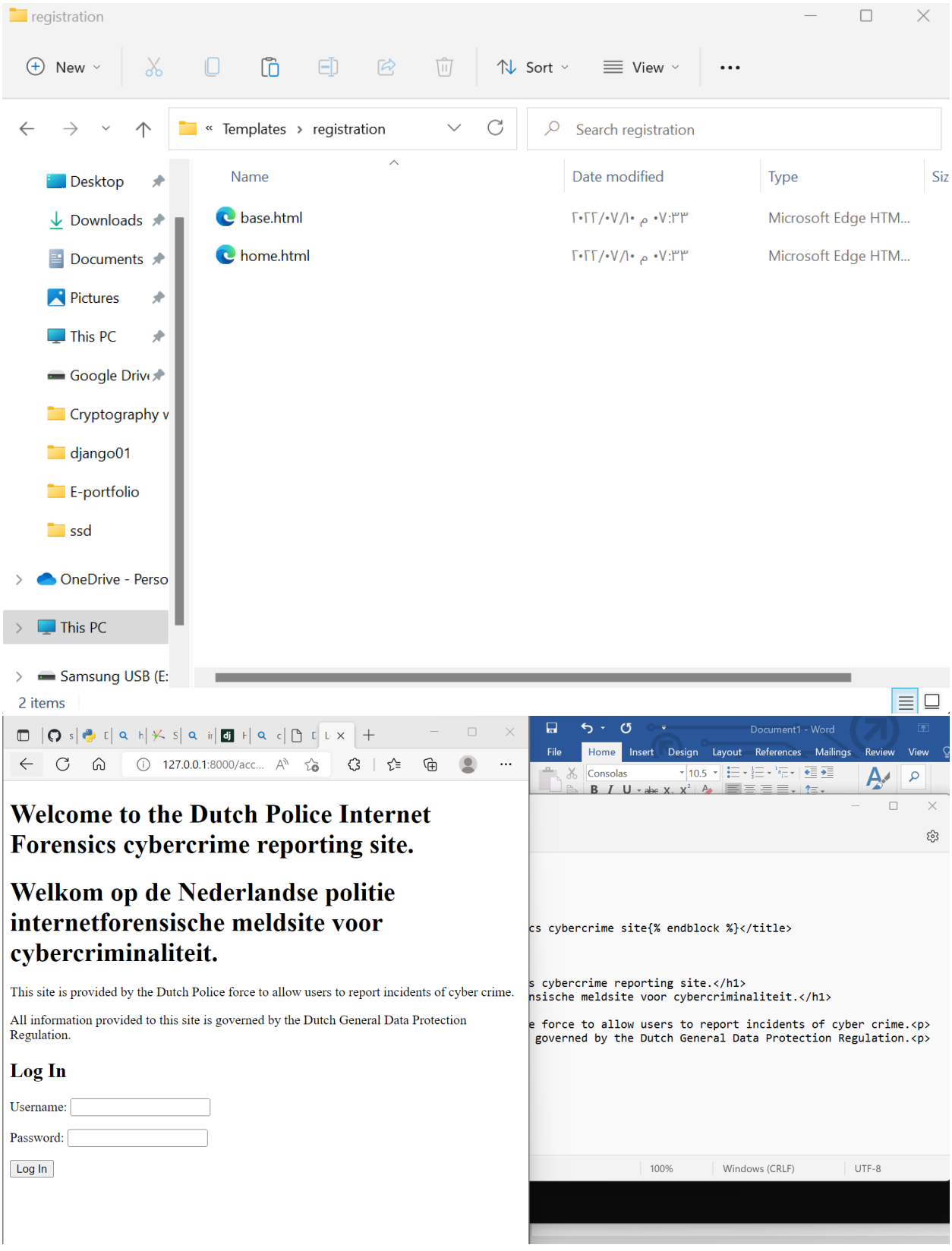
All information provided to this site is governed by the Dutch General Data Protection Regulation.

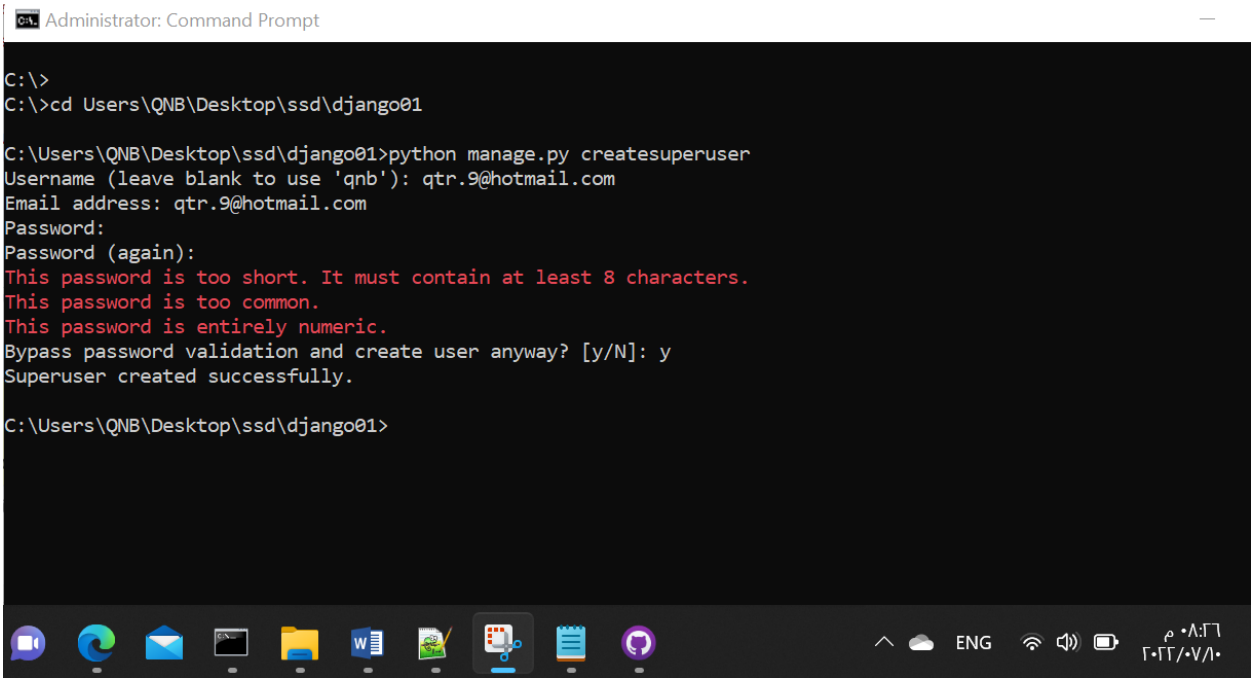
Log In

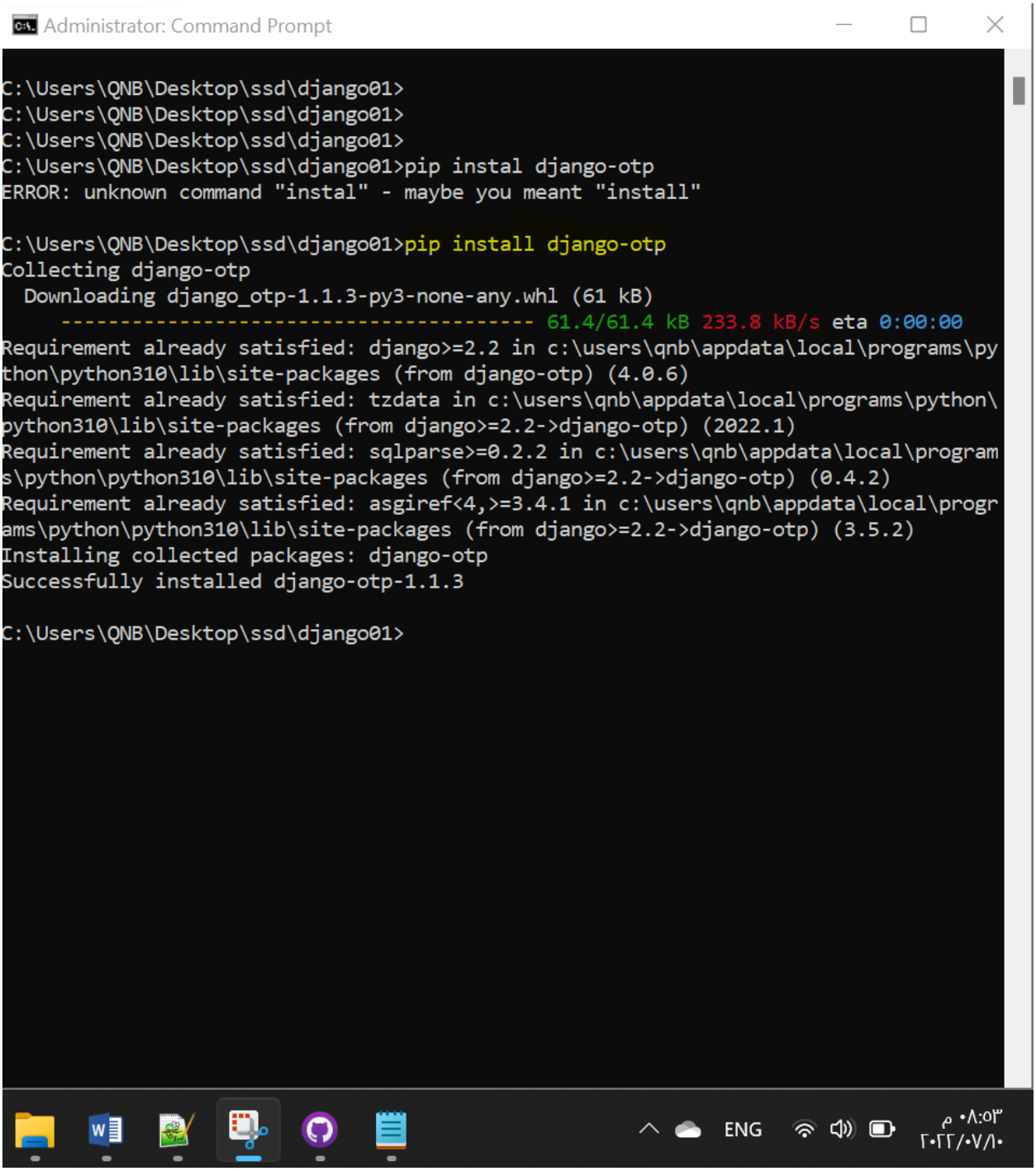
Username:

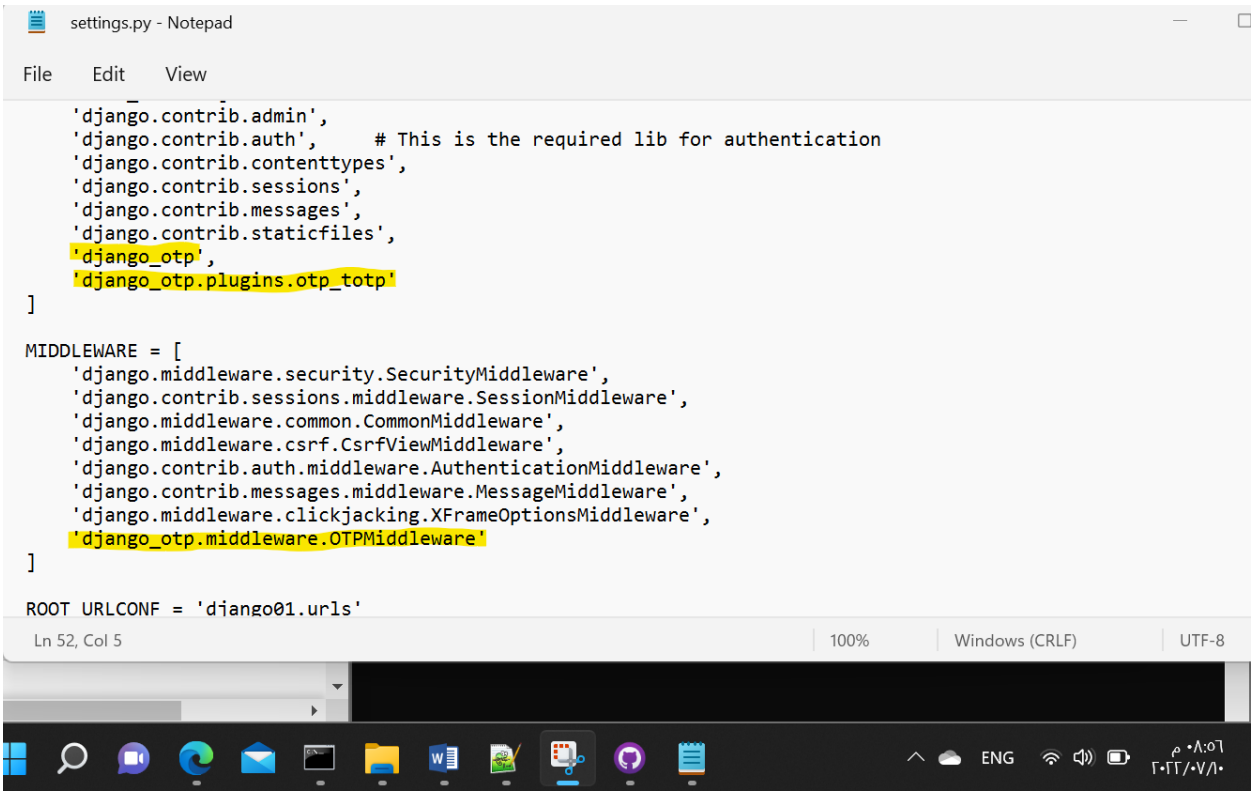
Password:

Log In

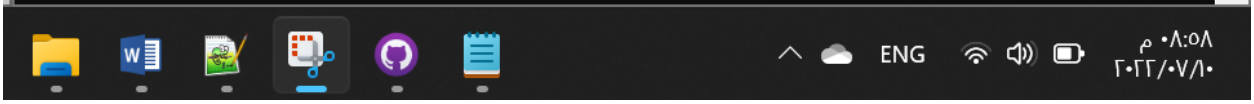

registration
New
Sort
View
Templates › registration
Search registration
Desktop
Downloads
Documents
Pictures
This PC
Google Driv
Cryptography v
django01
E-portfolio
ssd
OneDrive - Perso
This PC
Samsung USB (E:
Name
Date modified
Type
base.html
home.html
Microsoft Edge HTM...
2 items
127.0.0.1:8000/acc...
Welcome to the Dutch Police Internet Forensics cybercrime reporting site.
Welkom op de Nederlandse politie internetforensische meldsite voor cybercriminaliteit.
This site is provided by the Dutch Police force to allow users to report incidents of cyber crime.
All information provided to this site is governed by the Dutch General Data Protection Regulation.
Log In
Username:
Password:
Log In
Document1 - Word
File
Home
Insert
Design
Layout
References
Mailings
Review
View
Consolas
10.5
cs cybercrime site{% endblock %}</title>
s cybercrime reporting site.</h1>
nsische meldsite voor cybercriminaliteit.</h1>
e force to allow users to report incidents of cyber crime.<p>
governed by the Dutch General Data Protection Regulation.<p>
100%
Windows (CRLF)
UTF-8

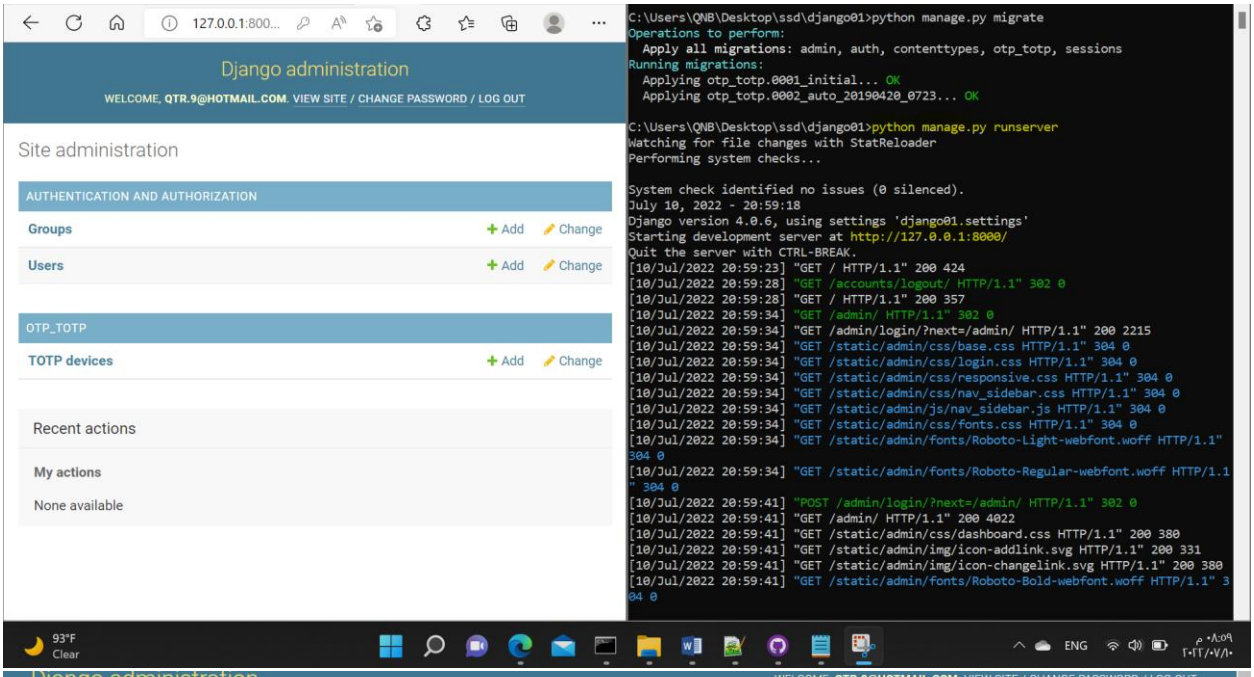

Administrator: Command Prompt
C:\>
C:\>cd Users\QNB\Desktop\ssd\django01
C:\Users\QNB\Desktop\ssd\django01>python manage.py createsuperuser
Username (leave blank to use 'qnb'): qtr.9@hotmail.com
Email address: qtr.9@hotmail.com
Password:
Password (again):
This password is too short. It must contain at least 8 characters.
This password is too common.
This password is entirely numeric.
Bypass password validation and create user anyway? [y/N]: y
Superuser created successfully.
C:\Users\QNB\Desktop\ssd\django01>
ENG

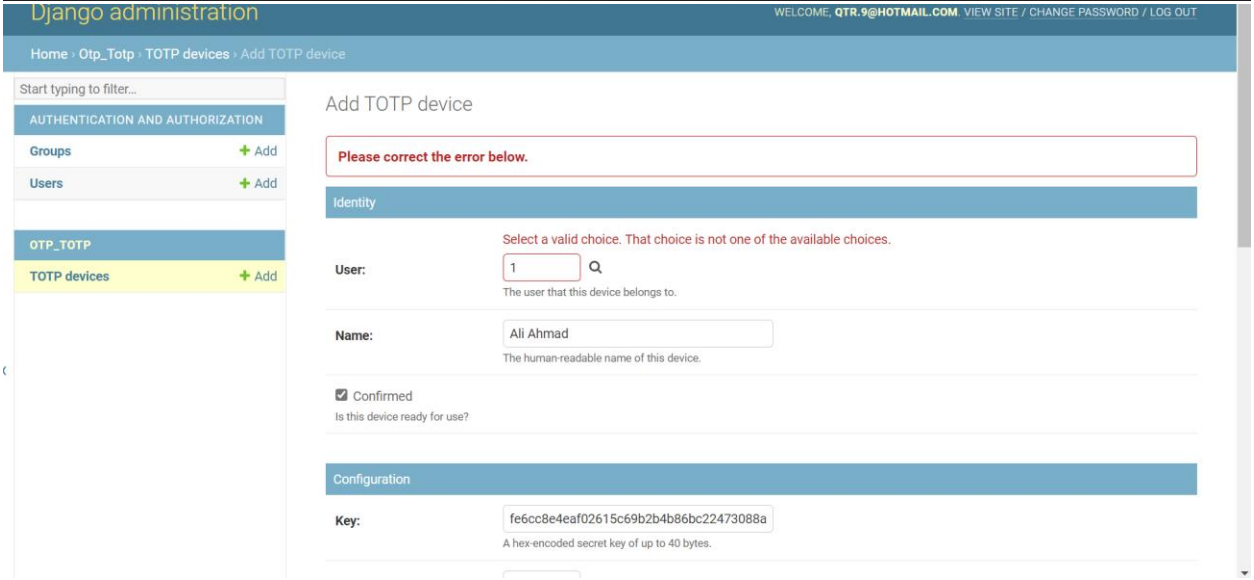

Administrator: Command Prompt
C:\Users\QNB\Desktop\ssd\django01>
C:\Users\QNB\Desktop\ssd\django01>
C:\Users\QNB\Desktop\ssd\django01>
C:\Users\QNB\Desktop\ssd\django01>pip instal django-otp
ERROR: unknown command "instal" - maybe you meant "install"
C:\Users\QNB\Desktop\ssd\django01>pip install django-otp
Collecting django-otp
Downloading django_otp-1.1.3-py3-none-any.whl (61 kB)
61.4/61.4 kB 233.8 kB/s eta 0:00:00
Requirement already satisfied: django>=2.2 in c:\users\qnb\appdata\local\programs\python\python310\lib\site-packages (from django-otp) (4.0.6)
Requirement already satisfied: tzdata in c:\users\qnb\appdata\local\programs\python\python310\lib\site-packages (from django>=2.2->django-otp) (2022.1)
Requirement already satisfied: sqlparse>=0.2.2 in c:\users\qnb\appdata\local\programs\python\python310\lib\site-packages (from django>=2.2->django-otp) (0.4.2)
Requirement already satisfied: asgiref<4,>=3.4.1 in c:\users\qnb\appdata\local\programs\python\python310\lib\site-packages (from django>=2.2->django-otp) (3.5.2)
Installing collected packages: django-otp
Successfully installed django-otp-1.1.3
C:\Users\QNB\Desktop\ssd\django01>
ENG

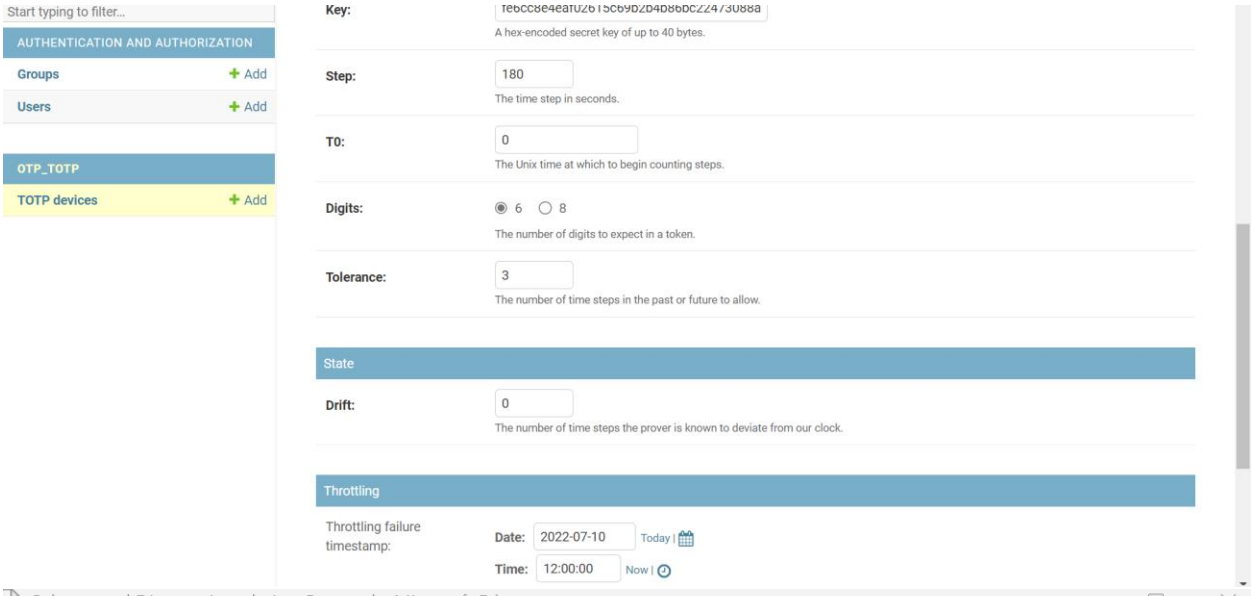

settings.py - Notepad
File Edit View
'django.contrib.admin',
'django.contrib.auth', # This is the required lib for authentication
'django.contrib.contenttypes',
'django.contrib.sessions',
'django.contrib.messages',
'django.contrib.staticfiles',
'django_otp',
'django_otp.plugins.otp_totp'
]
MIDDLEWARE = [
'django.middleware.security.SecurityMiddleware',
'django.contrib.sessions.middleware.SessionMiddleware',
'django.middleware.common.CommonMiddleware',
'django.middleware.csrf.CsrfViewMiddleware',
'django.contrib.auth.middleware.AuthenticationMiddleware',
'django.contrib.messages.middleware.MessageMiddleware',
'django.middleware.clickjacking.XFrameOptionsMiddleware',
'django_otp.middleware.OTPMiddleware'
]
ROOT_URLCONF = 'django01.urls'
Ln 52, Col 5
100%
Windows (CRLF)
UTF-8
ENG

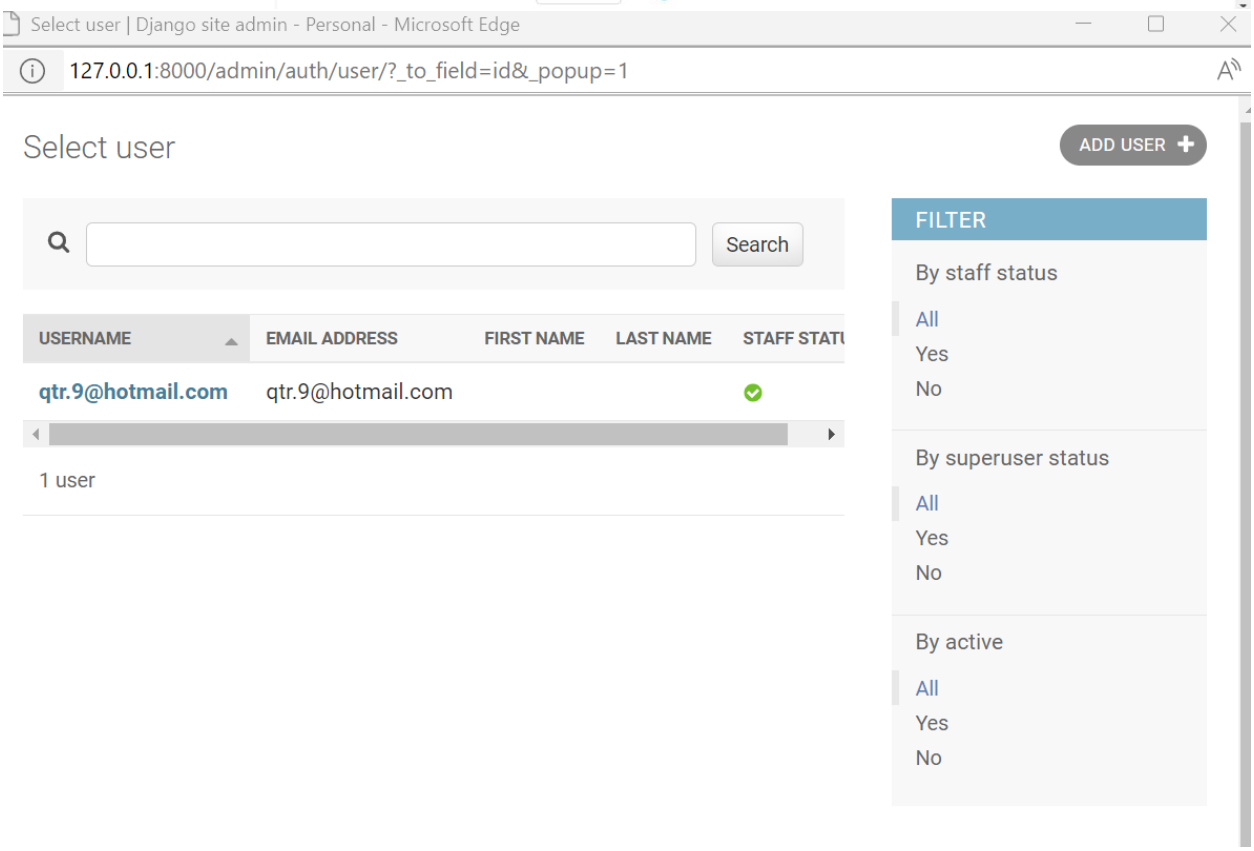
```
C:\Users\QNB\Desktop\ssd\django01>pip install django-otp
Collecting django-otp
  Downloading django_otp-1.1.3-py3-none-any.whl (61 kB)
     ---------------------------------------- 61.4/61.4 kB 233.8 kB/s eta 0:00:00
Requirement already satisfied: django>=2.2 in c:\users\qnb\appdata\local\programs\py
thon\python310\lib\site-packages (from django-otp) (4.0.6)
Requirement already satisfied: tzdata in c:\users\qnb\appdata\local\programs\python\
python310\lib\site-packages (from django>=2.2->django-otp) (2022.1)
Requirement already satisfied: sqlparse>=0.2.2 in c:\users\qnb\appdata\local\program
s\python\python310\lib\site-packages (from django>=2.2->django-otp) (0.4.2)
Requirement already satisfied: asgiref<4,>=3.4.1 in c:\users\qnb\appdata\local\progr
ams\python\python310\lib\site-packages (from django>=2.2->django-otp) (3.5.2)
Installing collected packages: django-otp
Successfully installed django-otp-1.1.3

C:\Users\QNB\Desktop\ssd\django01>python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, otp_totp, sessions
Running migrations:
  Applying otp_totp.0001_initial... OK
  Applying otp_totp.0002_auto_20190420_0723... OK

C:\Users\QNB\Desktop\ssd\django01>
```




127.0.0.1:800...
Django administration
WELCOME, QTR.9@HOTMAIL.COM. VIEW SITE / CHANGE PASSWORD / LOG OUT
Site administration
AUTHENTICATION AND AUTHORIZATION
Groups + Add Change
Users + Add Change
OTP_TOTP
TOTP devices + Add Change
Recent actions
My actions
None available
C:\Users\QNB\Desktop\ssd\django01>python manage.py migrate
Operations to perform:
Apply all migrations: admin, auth, contenttypes, otp_totp, sessions
Running migrations:
Applying otp_totp.0001_initial... OK
Applying otp_totp.0002_auto_20190420_0723... OK
C:\Users\QNB\Desktop\ssd\django01>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...
System check identified no issues (0 silenced).
July 10, 2022 - 20:59:18
Django version 4.0.6, using settings 'django01.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[10/Jul/2022 20:59:23] "GET / HTTP/1.1" 200 424
[10/Jul/2022 20:59:28] "GET /accounts/logout/ HTTP/1.1" 302 0
[10/Jul/2022 20:59:28] "GET / HTTP/1.1" 200 357
[10/Jul/2022 20:59:34] "GET /admin/ HTTP/1.1" 302 0
[10/Jul/2022 20:59:34] "GET /admin/login/?next=/admin/ HTTP/1.1" 200 2215
[10/Jul/2022 20:59:34] "GET /static/admin/css/base.css HTTP/1.1" 304 0
[10/Jul/2022 20:59:34] "GET /static/admin/css/login.css HTTP/1.1" 304 0
[10/Jul/2022 20:59:34] "GET /static/admin/css/responsive.css HTTP/1.1" 304 0
[10/Jul/2022 20:59:34] "GET /static/admin/css/nav_sidebar.css HTTP/1.1" 304 0
[10/Jul/2022 20:59:34] "GET /static/admin/js/nav_sidebar.js HTTP/1.1" 304 0
[10/Jul/2022 20:59:34] "GET /static/admin/css/fonts.css HTTP/1.1" 304 0
[10/Jul/2022 20:59:34] "GET /static/admin/fonts/Roboto-Light-webfont.woff HTTP/1.1" 304 0
[10/Jul/2022 20:59:34] "GET /static/admin/fonts/Roboto-Regular-webfont.woff HTTP/1.1" 304 0
[10/Jul/2022 20:59:41] "POST /admin/login/?next=/admin/ HTTP/1.1" 302 0
[10/Jul/2022 20:59:41] "GET /admin/ HTTP/1.1" 200 4022
[10/Jul/2022 20:59:41] "GET /static/admin/css/dashboard.css HTTP/1.1" 200 380
[10/Jul/2022 20:59:41] "GET /static/admin/img/icon-addlink.svg HTTP/1.1" 200 331
[10/Jul/2022 20:59:41] "GET /static/admin/img/icon-changelink.svg HTTP/1.1" 200 380
[10/Jul/2022 20:59:41] "GET /static/admin/fonts/Roboto-Bold-webfont.woff HTTP/1.1" 304 0
93°F
Clear
ENG


Django administration
WELCOME, QTR.9@HOTMAIL.COM. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Otp_Totp › TOTP devices › Add TOTP device
Start typing to filter...
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
OTP_TOTP
TOTP devices + Add
Add TOTP device
Please correct the error below.
Identity
Select a valid choice. That choice is not one of the available choices.
User:
1
The user that this device belongs to.
Name:
Ali Ahmad
The human-readable name of this device.
Confirmed
Is this device ready for use?
Configuration
Key:
fe6cc8e4eaf02615c69b2b4b86bc22473088a
A hex-encoded secret key of up to 40 bytes.


Start typing to filter...
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
OTP_TOTP
TOTP devices + Add
Key:
A hex-encoded secret key of up to 40 bytes.
Step:
180
The time step in seconds.
T0:
0
The Unix time at which to begin counting steps.
Digits:
6 8
The number of digits to expect in a token.
Tolerance:
3
The number of time steps in the past or future to allow.
State
Drift:
0
The number of time steps the prover is known to deviate from our clock.
Throttling
Throttling failure timestamp:
Date: 2022-07-10 Today |
Time: 12:00:00 Now |


Select user | Django site admin - Personal - Microsoft Edge
127.0.0.1:8000/admin/auth/user/?_to_field=id&_popup=1
Select user
ADD USER +
Search
USERNAME
EMAIL ADDRESS
FIRST NAME
LAST NAME
STAFF STATU
qtr.9@hotmail.com
qtr.9@hotmail.com
1 user
FILTER
By staff status
All
Yes
No
By superuser status
All
Yes
No
By active
All
Yes
No

Administrator: Command Prompt

```
Microsoft Windows [Version 10.0.22000.778]
(c) Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>pip install qrcode
Collecting qrcode
  Downloading qrcode-7.3.1.tar.gz (43 kB)
     ---------------------------------------- 43.5/43.5 kB 151.8 kB/s eta 0:00:00
  Preparing metadata (setup.py) ... done
Requirement already satisfied: colorama in c:\users\qnb\appdata\local\programs\python\python310\lib\site-packages (from
qrcode) (0.4.5)
Using legacy 'setup.py install' for qrcode, since package 'wheel' is not installed.
Installing collected packages: qrcode
  Running setup.py install for qrcode ... done
Successfully installed qrcode-7.3.1

C:\WINDOWS\system32>
```

Django administration

WELCOME, QTR.9@HOTMAIL.COM. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

OTP_TOTP

TOTP devices + Add

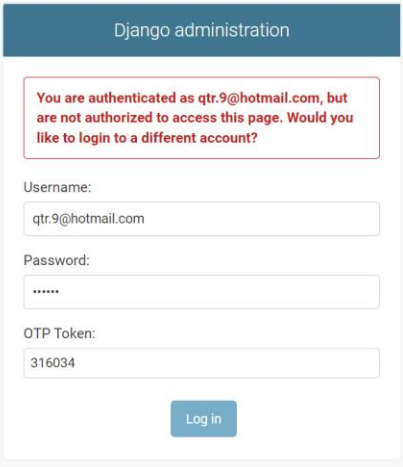
otpauth://totp/qtr.9%40hotmail.com?secret=7ZWMRZHK6ATBLRU3FNFYNPBCI4YIRLIX&algorithm=SHA1&digits=6&period=180

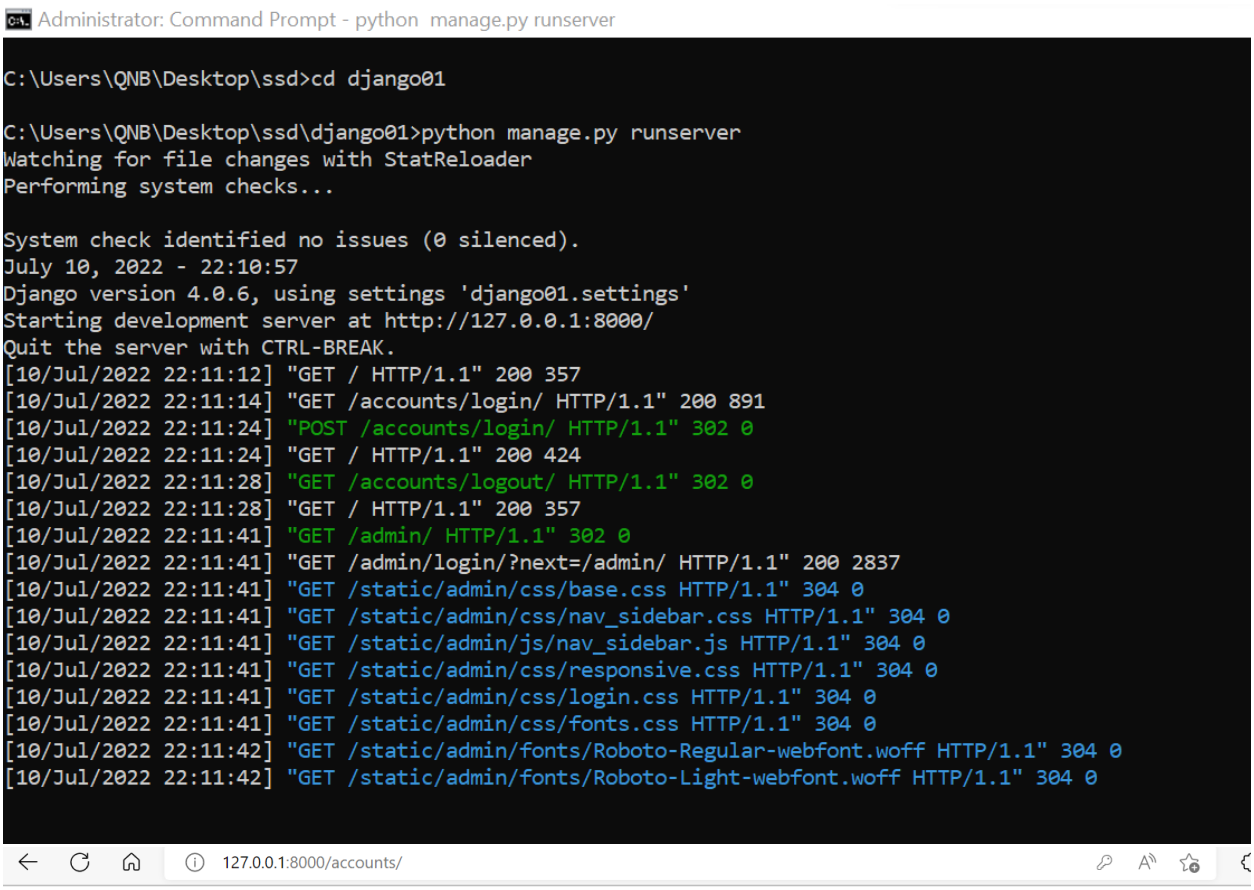
urls.py - Notepad

File Edit View

```
    1. Add an import:  from other_app.views import Home
    2. Add a URL to urlpatterns:  path('', Home.as_view(), name='home')
Including another URLconf
    1. Import the include() function: from django.urls import include, path
    2. Add a URL to urlpatterns:  path('blog/', include('blog.urls'))
"""
from django.contrib import admin
from django.urls import path, include # Added (include by Ali)
from django.views.generic.base import TemplateView # added after creating the ht
from django_otp.admin import OTPAdminSite




urlpatterns = [
    path('admin/', admin.site.urls),
    path("accounts/", include("django.contrib.auth.urls")),  # Added by Ali
    path('', TemplateView.as_view(template_name='home.html'), name='home'), # ad
    path("", TemplateView.as_view(template_name="home.html"), name="home"),
```

Ln 20, Col 1 | 100% | Windows (CRLF) | UTF-8





This is the my demo page

You are authenticated as , but are not authorized to access this page. Would you like to login to a different account?

Username: qtr.9@hotmail.com
Password: ••••••
OTP Token: 044280
Log in