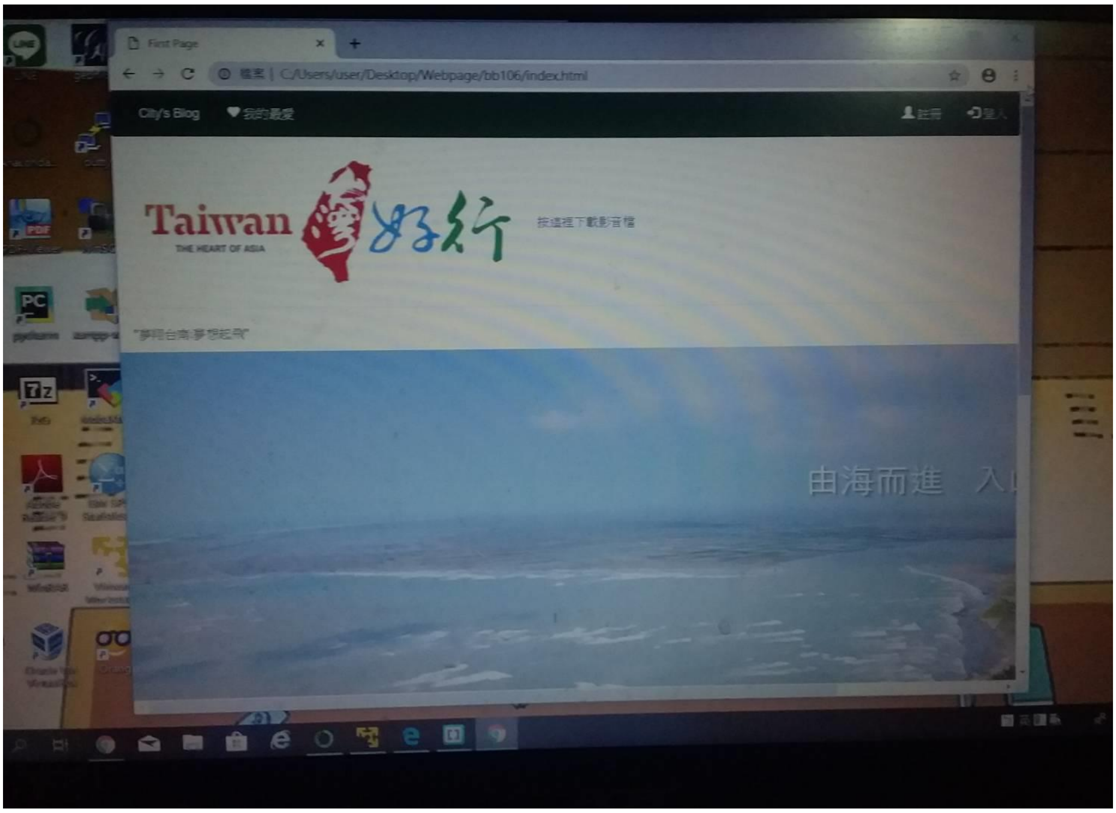
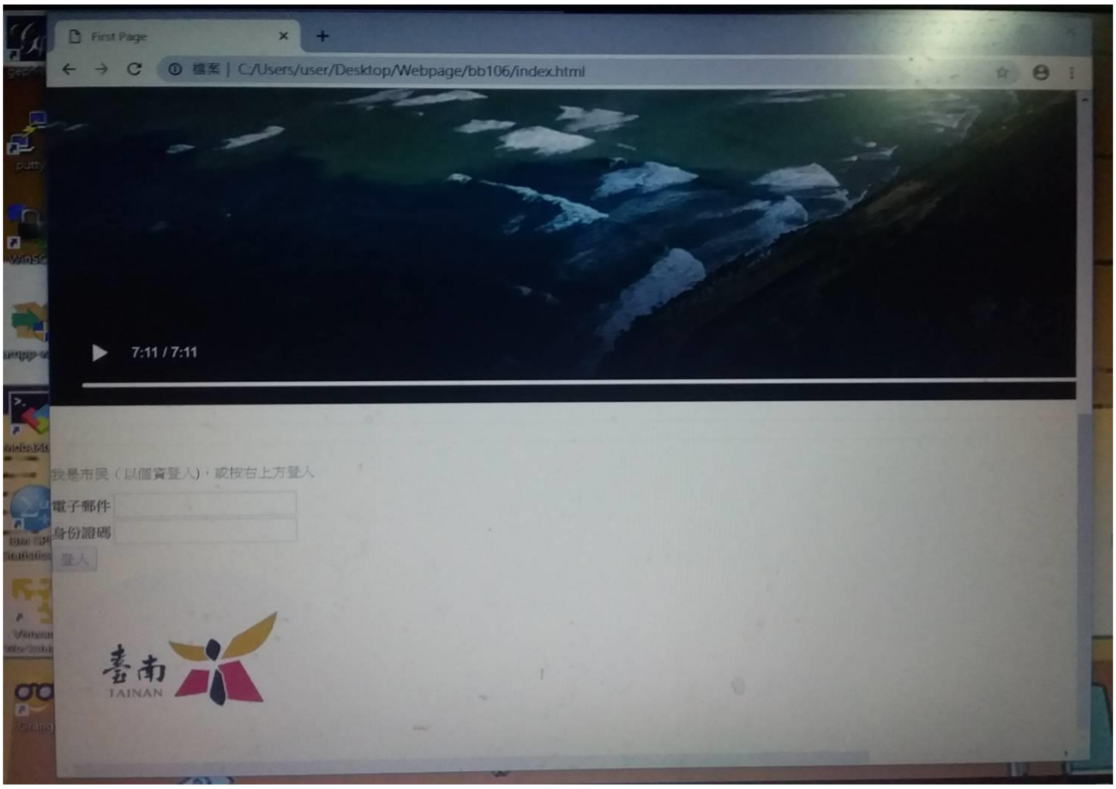
Webpage Design

首頁（上）



首頁（下）



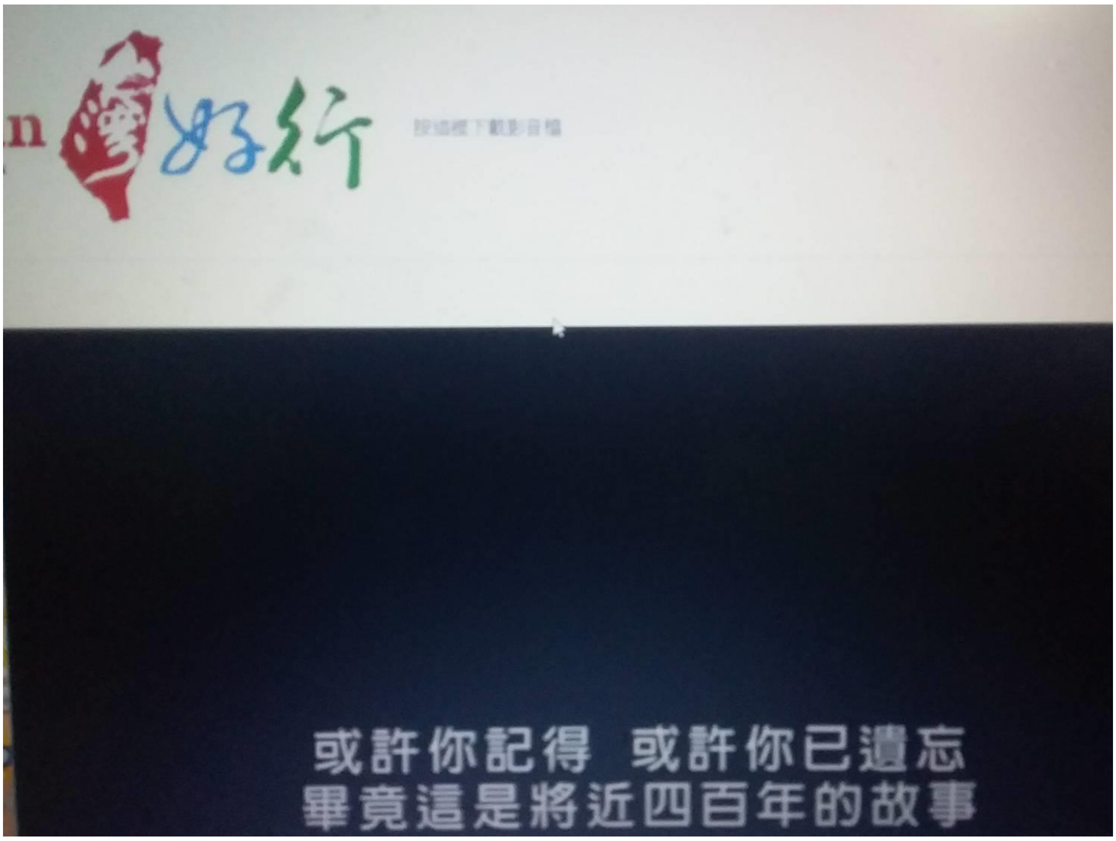
我是市民（以個資登入)，或按右上方登入

電子郵件

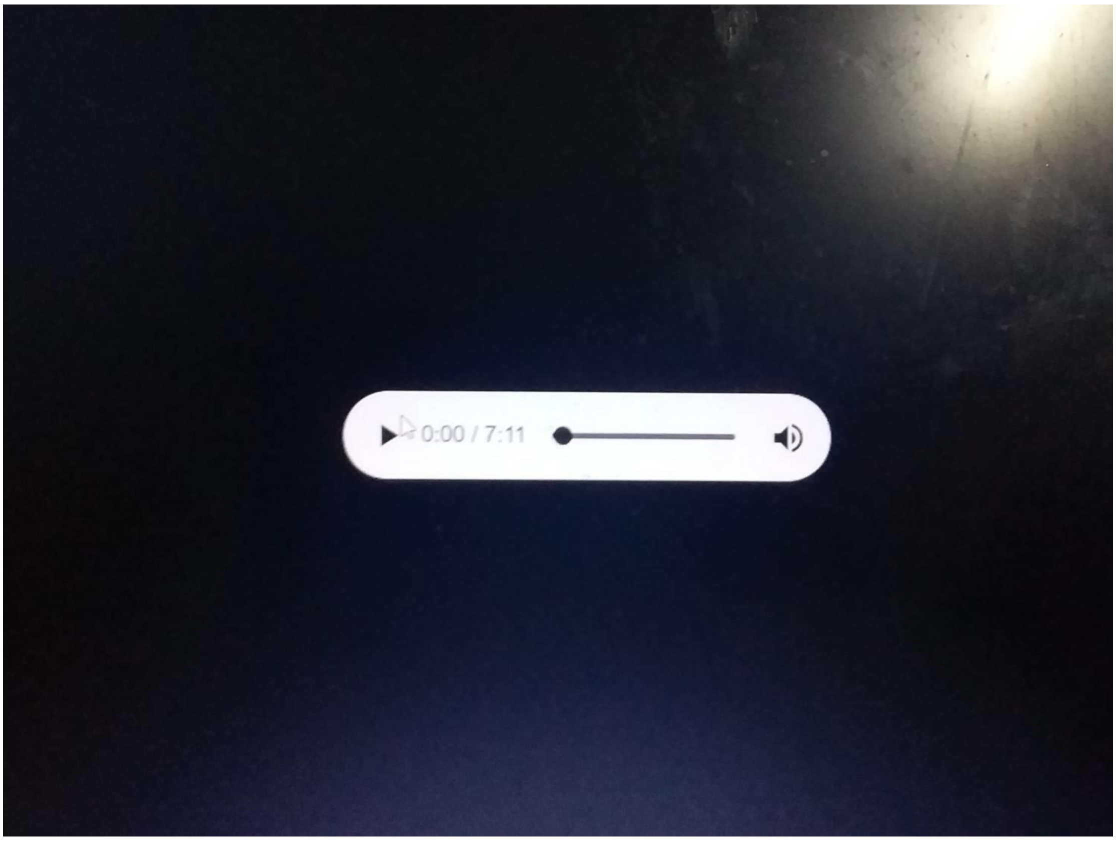
身份證碼

登入

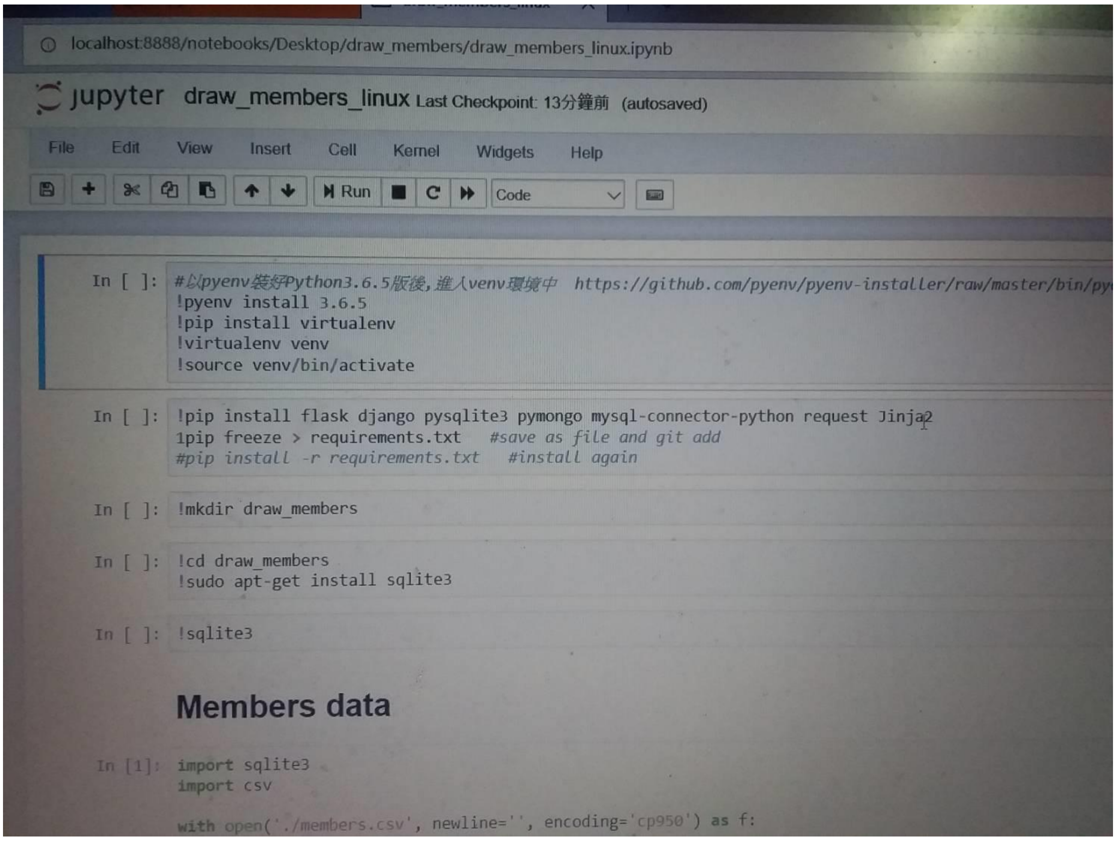
首頁：點擊或下載影音



或許你記得　或許你已遺忘
畢竟這是將近四百年的故事



Linux OS：安裝 Py 套件

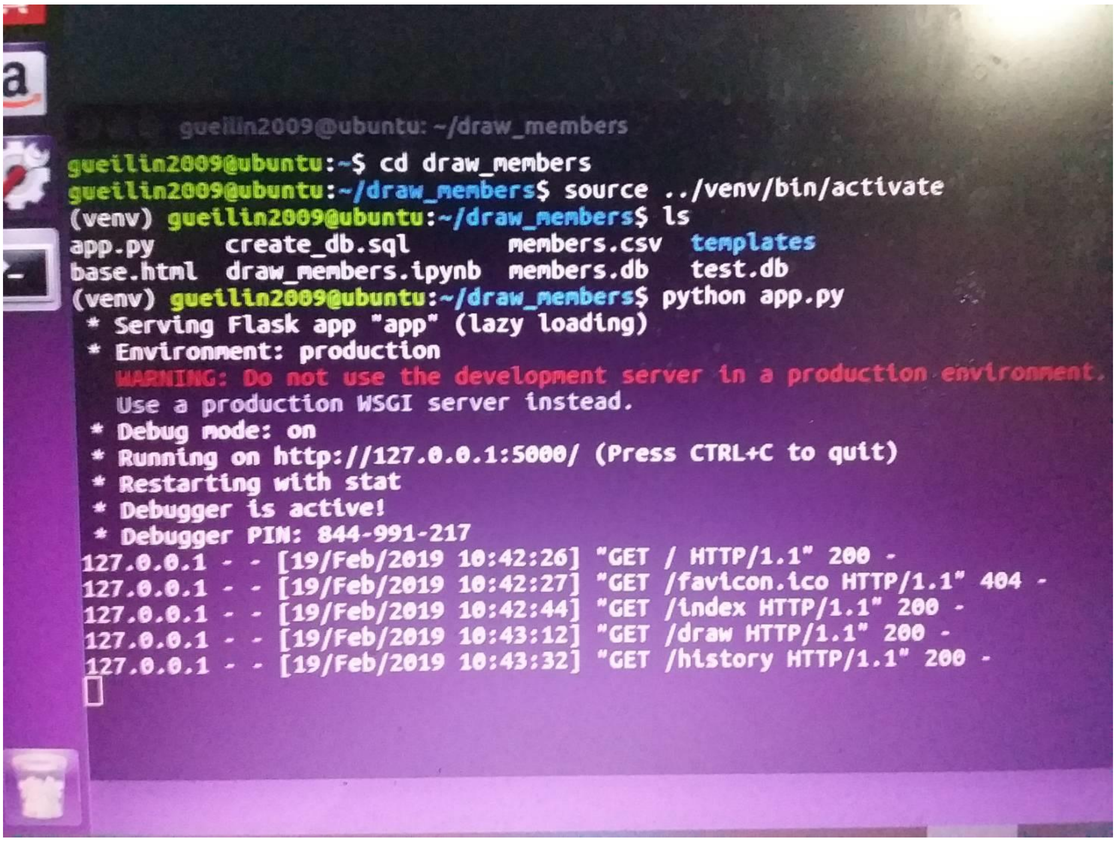

localhost:8888/notebooks/Desktop/draw_members/draw_members_linux.ipynb
jupyter draw_members_linux Last Checkpoint: 13分鐘前 (autosaved)
File
Edit
View
Insert
Cell
Kernel
Widgets
Help
Run
Code

```
In [ ]: #以pyenv裝好Python3.6.5版後,進入venv環境中  https://github.com/pyenv/pyenv-installer/raw/master/bin/py
        !pyenv install 3.6.5
        !pip install virtualenv
        !virtualenv venv
        !source venv/bin/activate

In [ ]: !pip install flask django pysqlite3 pymongo mysql-connector-python request Jinja2
        1pip freeze > requirements.txt   #save as file and git add
        #pip install -r requirements.txt   #install again

In [ ]: !mkdir draw_members

In [ ]: !cd draw_members
        !sudo apt-get install sqlite3

In [ ]: !sqlite3
```

Members data

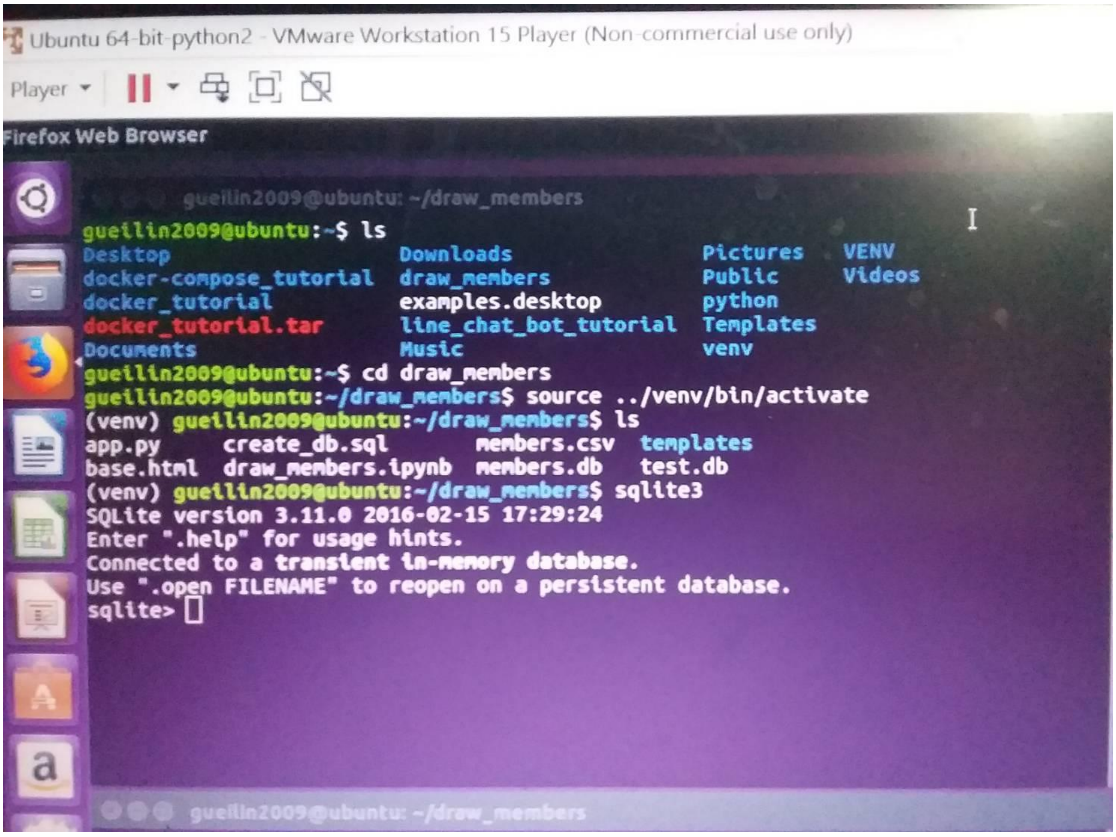
```
In [1]: import sqlite3
        import csv

        with open('./members.csv', newline='', encoding='cp950') as f:
```

Flask -Server



```
gueilin2009@ubuntu:~$ cd draw_members
gueilin2009@ubuntu:~/draw_members$ source ../venv/bin/activate
(venv) gueilin2009@ubuntu:~/draw_members$ ls
app.py     create_db.sql       members.csv  templates
base.html  draw_members.ipynb  members.db   test.db
(venv) gueilin2009@ubuntu:~/draw_members$ python app.py
 * Serving Flask app "app" (lazy loading)
 * Environment: production
   WARNING: Do not use the development server in a production environment.
   Use a production WSGI server instead.
 * Debug mode: on
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 844-991-217
127.0.0.1 - - [19/Feb/2019 10:42:26] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [19/Feb/2019 10:42:27] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [19/Feb/2019 10:42:44] "GET /index HTTP/1.1" 200 -
127.0.0.1 - - [19/Feb/2019 10:43:12] "GET /draw HTTP/1.1" 200 -
127.0.0.1 - - [19/Feb/2019 10:43:32] "GET /history HTTP/1.1" 200 -
```

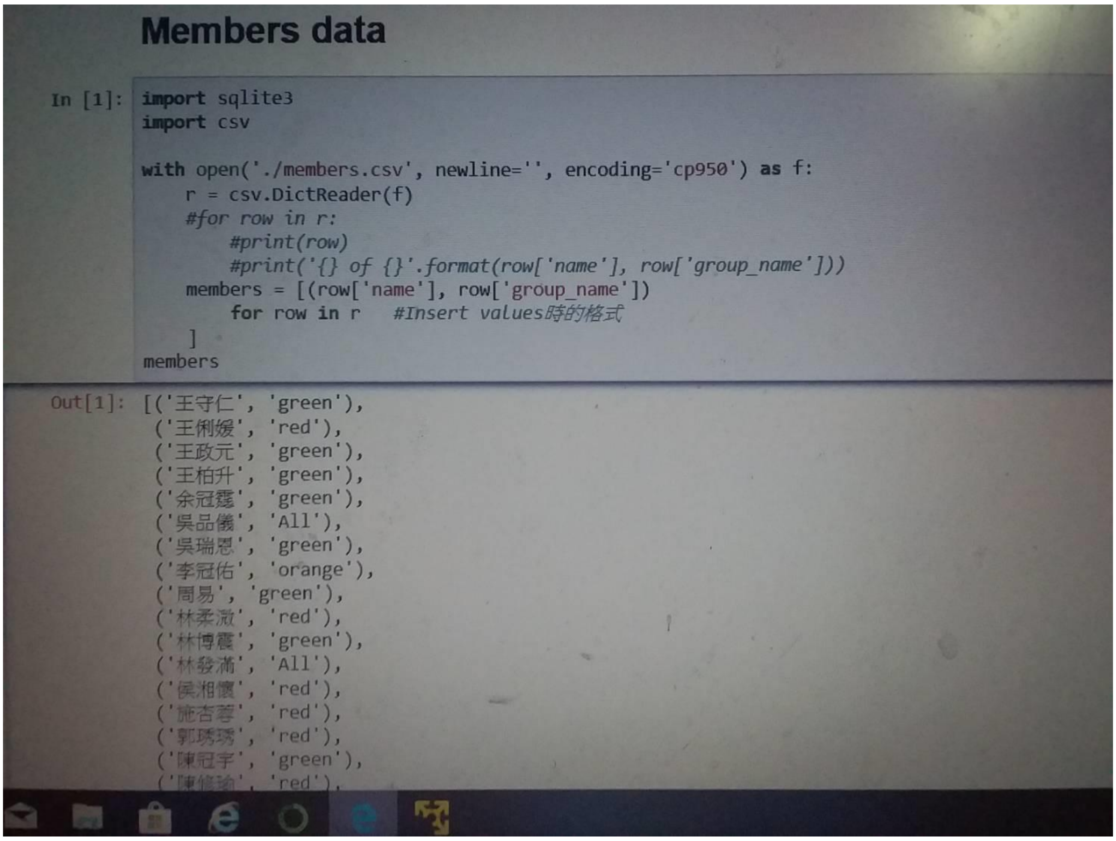
Sqlite3 Database



Ubuntu 64-bit-python2 - VMware Workstation 15 Player (Non-commercial use only)
Player
Firefox Web Browser
gueilin2009@ubuntu: ~/draw_members

```
gueilin2009@ubuntu:~$ ls
Desktop                   Downloads              Pictures  VENV
docker-compose_tutorial   draw_members           Public    Videos
docker_tutorial           examples.desktop       python
docker_tutorial.tar       line_chat_bot_tutorial Templates
Documents                 Music                  venv
gueilin2009@ubuntu:~$ cd draw_members
gueilin2009@ubuntu:~/draw_members$ source ../venv/bin/activate
(venv) gueilin2009@ubuntu:~/draw_members$ ls
app.py     create_db.sql       members.csv  templates
base.html  draw_members.ipynb  members.db   test.db
(venv) gueilin2009@ubuntu:~/draw_members$ sqlite3
SQLite version 3.11.0 2016-02-15 17:29:24
Enter ".help" for usage hints.
Connected to a transient in-memory database.
Use ".open FILENAME" to reopen on a persistent database.
sqlite> 
```

Data (JSON)

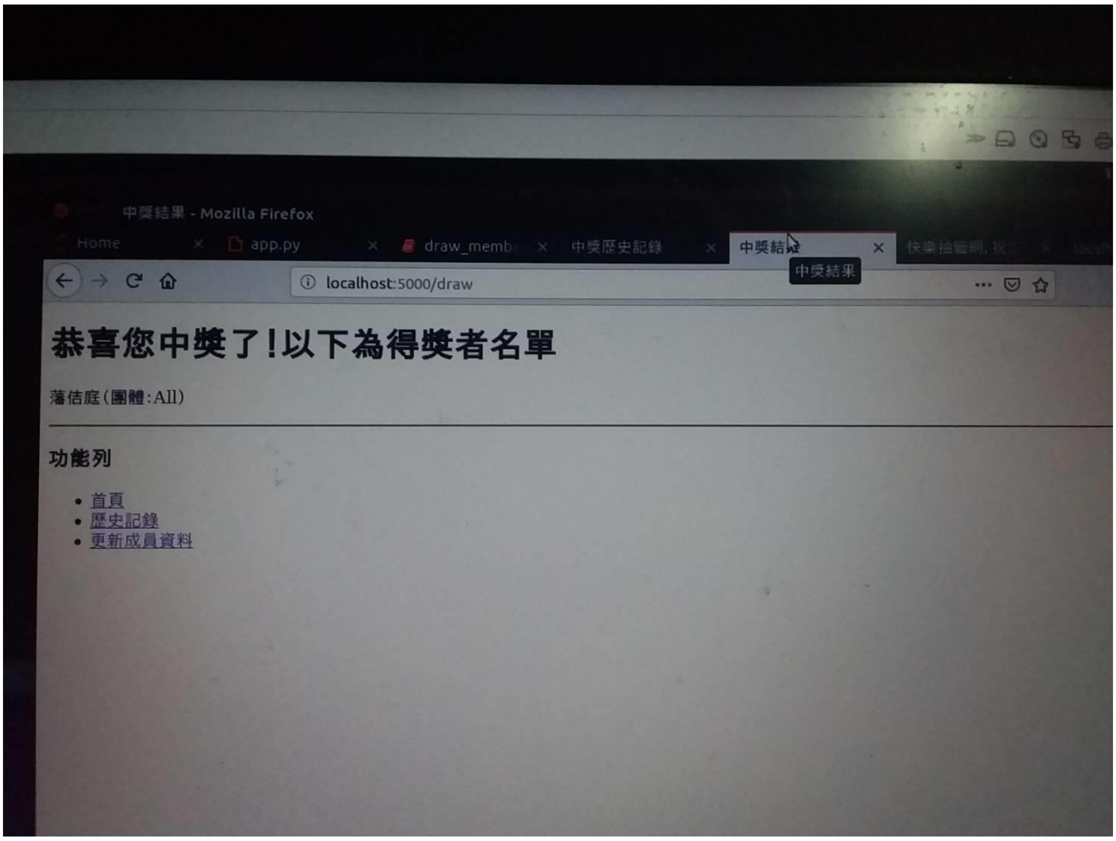


Members data

```
In [1]: import sqlite3
        import csv

        with open('./members.csv', newline='', encoding='cp950') as f:
            r = csv.DictReader(f)
            #for row in r:
                #print(row)
                #print('{} of {}'.format(row['name'], row['group_name']))
            members = [(row['name'], row['group_name'])
                for row in r   #Insert values時的格式
            ]
        members
```

```
Out[1]: [('王守仁', 'green'),
         ('王俐媛', 'red'),
         ('王政元', 'green'),
         ('王柏升', 'green'),
         ('余冠霆', 'green'),
         ('吳品儀', 'All'),
         ('吳瑞恩', 'green'),
         ('李冠佑', 'orange'),
         ('周易', 'green'),
         ('林柔溦', 'red'),
         ('林博震', 'green'),
         ('林發滿', 'All'),
         ('侯湘懷', 'red'),
         ('施杏蓉', 'red'),
         ('郭琇琇', 'red'),
         ('陳冠宇', 'green'),
         ('陳修諭', 'red'),
```

驅動網頁：從 DB 中撈出中獎者



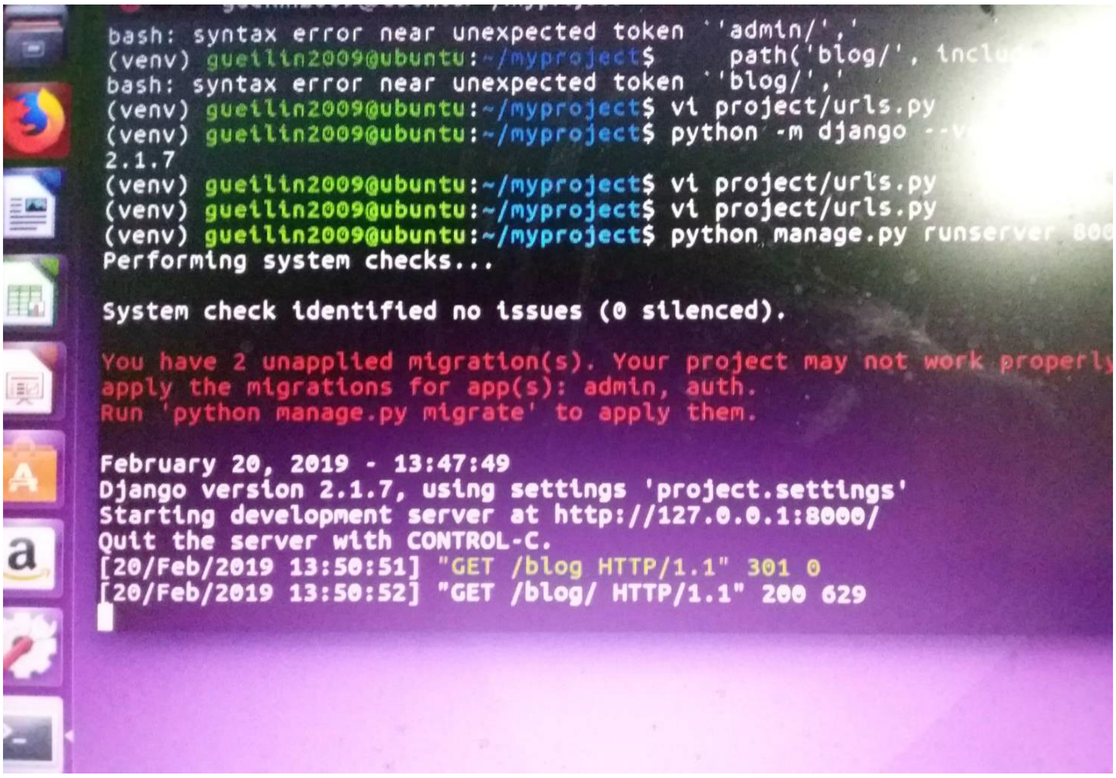
恭喜您中獎了!以下為得獎者名單

藩佶庭(團體:All)

功能列

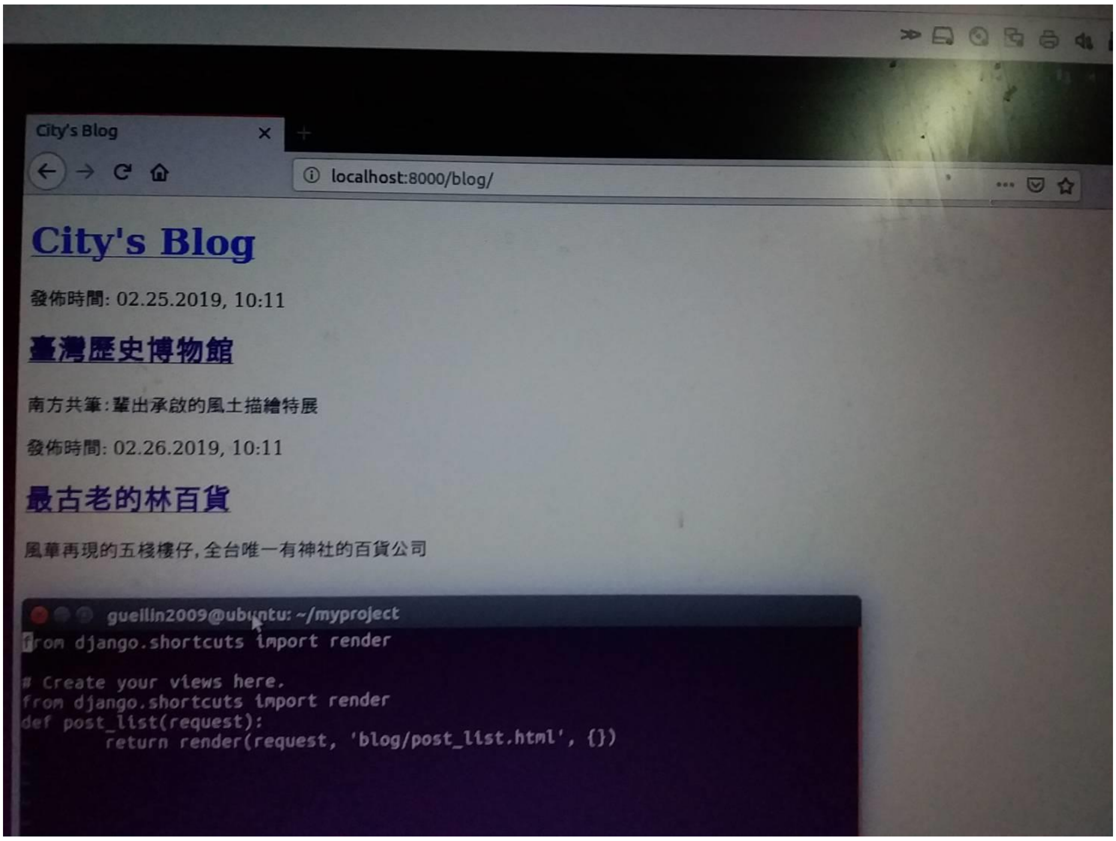
- 首頁
- 歷史記錄
- 更新成員資料

Django – runserver



```
bash: syntax error near unexpected token `'admin/','
(venv) gueilin2009@ubuntu:~/myproject$     path('blog/', inclu
bash: syntax error near unexpected token `'blog/','
(venv) gueilin2009@ubuntu:~/myproject$ vi project/urls.py
(venv) gueilin2009@ubuntu:~/myproject$ python -m django --v
2.1.7
(venv) gueilin2009@ubuntu:~/myproject$ vi project/urls.py
(venv) gueilin2009@ubuntu:~/myproject$ vi project/urls.py
(venv) gueilin2009@ubuntu:~/myproject$ python manage.py runserver 800
Performing system checks...

System check identified no issues (0 silenced).

You have 2 unapplied migration(s). Your project may not work properly
apply the migrations for app(s): admin, auth.
Run 'python manage.py migrate' to apply them.

February 20, 2019 - 13:47:49
Django version 2.1.7, using settings 'project.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.
[20/Feb/2019 13:50:51] "GET /blog HTTP/1.1" 301 0
[20/Feb/2019 13:50:52] "GET /blog/ HTTP/1.1" 200 629
```

前端 Views


City's Blog

localhost:8000/blog/

City's Blog

發佈時間: 02.25.2019, 10:11

臺灣歷史博物館

南方共筆：輩出承啟的風土描繪特展

發佈時間: 02.26.2019, 10:11

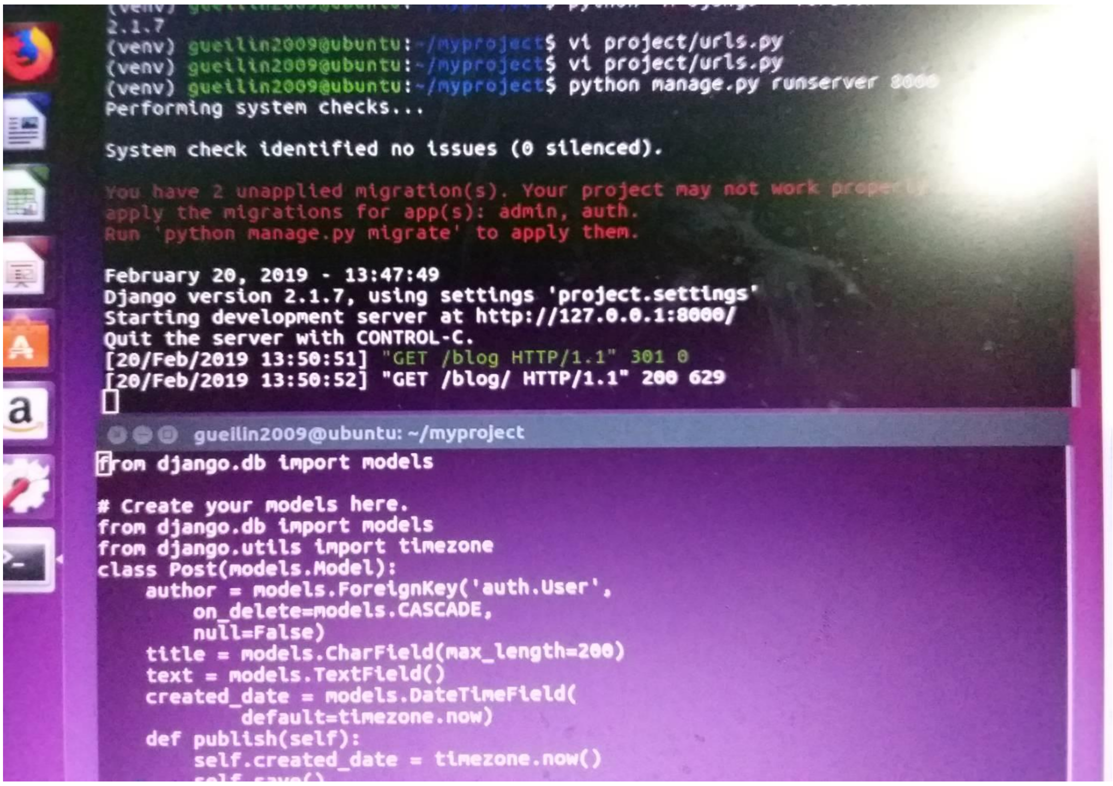
最古老的林百貨

風華再現的五棧樓仔，全台唯一有神社的百貨公司

gueilin2009@ubuntu: ~/myproject

```
from django.shortcuts import render

# Create your views here.
from django.shortcuts import render
def post_list(request):
        return render(request, 'blog/post_list.html', {})
```

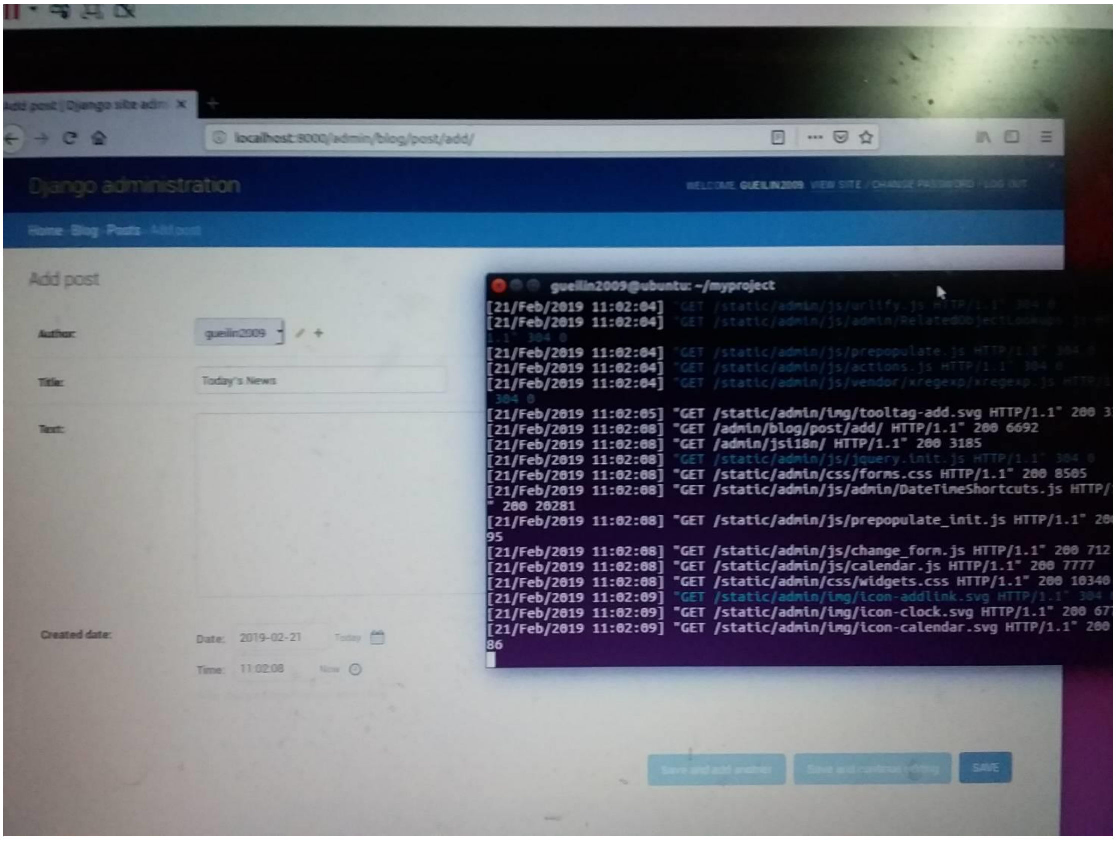
表格 Models （後台）


```
2.1.7
(venv) gueilin2009@ubuntu:~/myproject$ vi project/urls.py
(venv) gueilin2009@ubuntu:~/myproject$ vi project/urls.py
(venv) gueilin2009@ubuntu:~/myproject$ python manage.py runserver 8000
Performing system checks...

System check identified no issues (0 silenced).

You have 2 unapplied migration(s). Your project may not work properly
apply the migrations for app(s): admin, auth.
Run 'python manage.py migrate' to apply them.

February 20, 2019 - 13:47:49
Django version 2.1.7, using settings 'project.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.
[20/Feb/2019 13:50:51] "GET /blog HTTP/1.1" 301 0
[20/Feb/2019 13:50:52] "GET /blog/ HTTP/1.1" 200 629
```

gueilin2009@ubuntu: ~/myproject

```
from django.db import models

# Create your models here.
from django.db import models
from django.utils import timezone
class Post(models.Model):
    author = models.ForeignKey('auth.User',
        on_delete=models.CASCADE,
        null=False)
    title = models.CharField(max_length=200)
    text = models.TextField()
    created_date = models.DateTimeField(
            default=timezone.now)
    def publish(self):
        self.created_date = timezone.now()
        self.save()
```

後台管理介面 admin/auth　(add post)



Add post | Django site adm
localhost:8000/admin/blog/post/add/
Django administration
WELCOME GUEILIN2009 VIEW SITE / CHANGE PASSWORD / LOG OUT
Home · Blog · Posts · Add post
Save and add another
Save and continue editing
SAVE

Add post

Author: gueilin2009

Title: Today's News

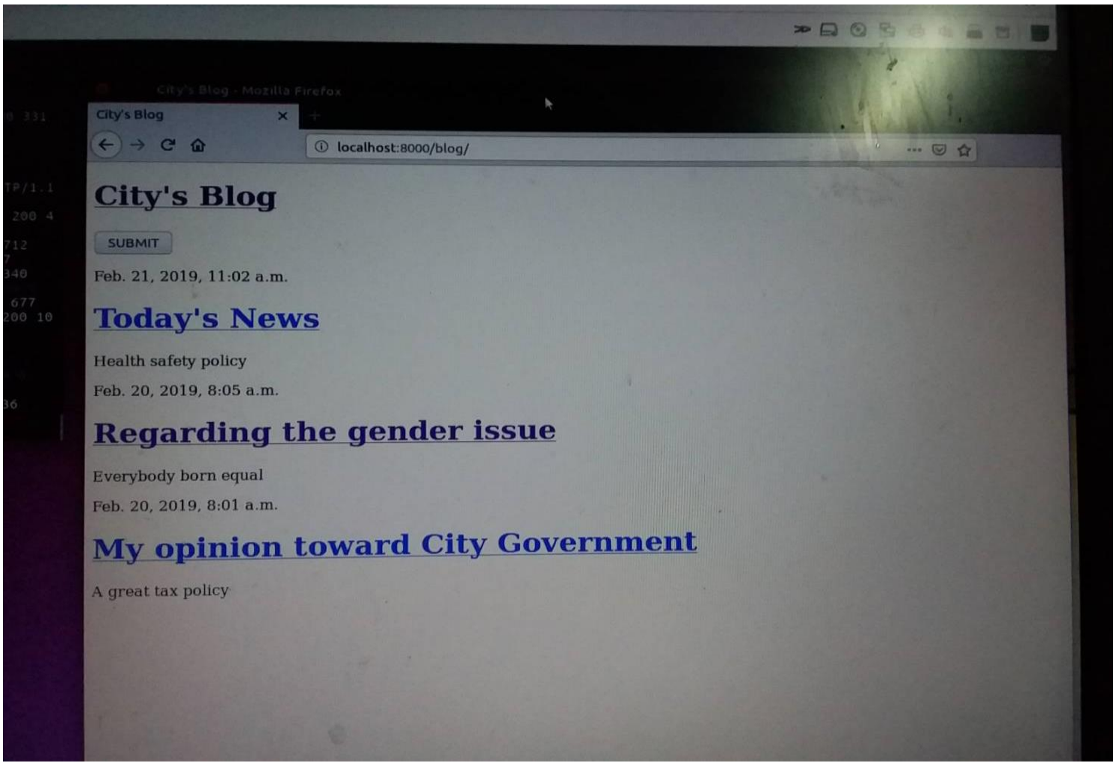
Text:

Created date: Date: 2019-02-21 Today　Time: 11:02:08 Now

gueilin2009@ubuntu: ~/myproject

```
[21/Feb/2019 11:02:04] "GET /static/admin/js/urlify.js HTTP/1.1" 304 0
[21/Feb/2019 11:02:04] "GET /static/admin/js/admin/RelatedObjectLookups.js HT
1.1" 304 0
[21/Feb/2019 11:02:04] "GET /static/admin/js/prepopulate.js HTTP/1.1" 304 0
[21/Feb/2019 11:02:04] "GET /static/admin/js/actions.js HTTP/1.1" 304 0
[21/Feb/2019 11:02:04] "GET /static/admin/js/vendor/xregexp/xregexp.js HTTP/1
 304 0
[21/Feb/2019 11:02:05] "GET /static/admin/img/tooltag-add.svg HTTP/1.1" 200 3
[21/Feb/2019 11:02:08] "GET /admin/blog/post/add/ HTTP/1.1" 200 6692
[21/Feb/2019 11:02:08] "GET /admin/jsi18n/ HTTP/1.1" 200 3185
[21/Feb/2019 11:02:08] "GET /static/admin/js/jquery.init.js HTTP/1.1" 304 0
[21/Feb/2019 11:02:08] "GET /static/admin/css/forms.css HTTP/1.1" 200 8505
[21/Feb/2019 11:02:08] "GET /static/admin/js/admin/DateTimeShortcuts.js HTTP/
" 200 20281
[21/Feb/2019 11:02:08] "GET /static/admin/js/prepopulate_init.js HTTP/1.1" 20
95
[21/Feb/2019 11:02:08] "GET /static/admin/js/change_form.js HTTP/1.1" 200 712
[21/Feb/2019 11:02:08] "GET /static/admin/js/calendar.js HTTP/1.1" 200 7777
[21/Feb/2019 11:02:08] "GET /static/admin/css/widgets.css HTTP/1.1" 200 10340
[21/Feb/2019 11:02:09] "GET /static/admin/img/icon-addlink.svg HTTP/1.1" 304
[21/Feb/2019 11:02:09] "GET /static/admin/img/icon-clock.svg HTTP/1.1" 200 67
[21/Feb/2019 11:02:09] "GET /static/admin/img/icon-calendar.svg HTTP/1.1" 200
86
```

前端 Views



City's Blog

Feb. 21, 2019, 11:02 a.m.

Today's News

Health safety policy

Feb. 20, 2019, 8:05 a.m.

Regarding the gender issue

Everybody born equal

Feb. 20, 2019, 8:01 a.m.

My opinion toward City Government

A great tax policy