

Building and deploy method:

Using the 'migrate' generate the list structure

The operating environment:

Python >=2.7

MySQL = 5.7

(If you guys using mysql8, it might has problem on algorithm match accuracy)

OS win linux all works

Notes: setting the root passwords when finished the MySQL install. (if not, can't connect)

Building:

1, Build the new database named "letterdb", the operating method is not uniformed, only need build the database named "letterdb".

2, directly using venv environment, or prepare the Django environment.

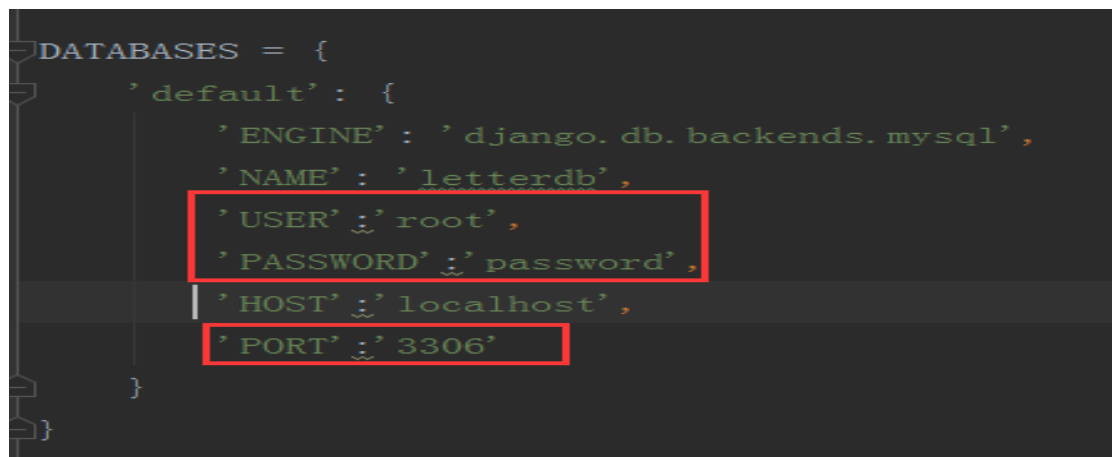
a) Pip install Django

b) Pop install pymysql (According py>3 install pymysql, if py<3 can install mysql-client)

3, configure a database connection

modify the database connection file (path: letterWebSite/settings.py)

Make sure the username, passwords and port is correct.

A screenshot of a code editor showing the DATABASES configuration in a Django settings.py file. The configuration is a nested dictionary. The 'default' key points to another dictionary containing database settings. The 'ENGINE' is set to 'django.db.backends.mysql'. The 'NAME' is 'letterdb'. The 'USER' is 'root', the 'PASSWORD' is 'password', the 'HOST' is 'localhost', and the 'PORT' is '3306'. The 'USER', 'PASSWORD', and 'PORT' lines are highlighted with red rectangular boxes.

```
DATABASES = {  
    'default': {  
        'ENGINE': 'django.db.backends.mysql',  
        'NAME': 'letterdb',  
        'USER': 'root',  
        'PASSWORD': 'password',  
        'HOST': 'localhost',  
        'PORT': '3306'  
    }  
}
```

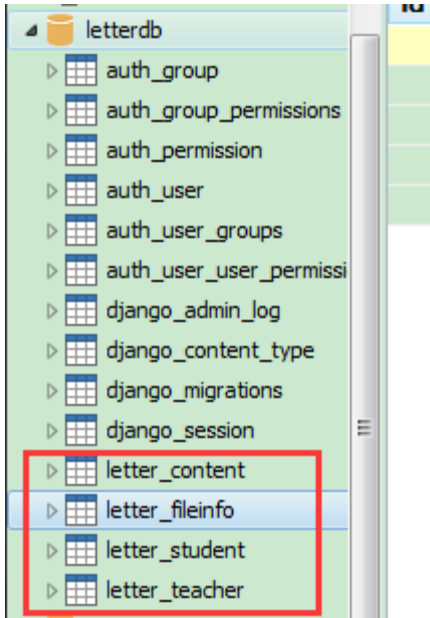
4, generate migration files and table structure

Executing and enter the file named “Lettterwebsite”, execute:

Python manage.py makemigrations

Python manage.py migrate

(So far, the table structure of letterdb created)



The red part is created one, others is Django framework created.

5, initialization data

- a) New build student information (can add student information like name and passwords by registration function)
- b) New build professor information (can add professor information like name, passwords and department by registration function)

6, run the server

```
python manage.py runserver
```

After servers coming, listen the 8000 port, can be visited by entry address.

Entry address:

Local access: <http://localhost:8000/>

External access: <http://ip:8000> Ip is decided by ESC, notice closing the local

firewalls.

Example:

1, student information operating step

(a) Student registration

localhost:8000/register/

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Username student1 Password Password Again Computer Science Role ☒ Student ☐ Teacher

Register

Already a member? [Sign In](#)

Pick the rule of student, click register, registration finished

Oregon State University

Username Password Password Again Computer Science Role ☐ Student ☒ Teacher

Register

Register Success

Already a member? [Sign In](#)

(b) Login in part

localhost:8000

Oregon State University


Log In

Username student1 Password Role ☒ Student ☐ Teacher

Login

Need an account? [Register](#)

After that:



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- My Request

SID	StudentName	Requirement	StudentFilePath	TeacherName	Feedback	TeacherFilePath

- [Search Teacher](#)
- [Upload File](#)
- [New Request](#)

(c) upload document

Click upload enter the upload page (the document that student upload can send to several professors, just point the file uploaded last time when you execute the new request.




Oregon State University

Upload

未选择任何文件

(d) Professor searching

**Oregon State University**

SearchTeacher

- SearchResult

TID Name Department
3 **alice** **Computer Science**


- Departments

Applied Arts and Sciences ▼

Search

Back

(e) Submit applications

**Oregon State University**

NewRequest

- Choose File

C:\Users\HH\Desktop\LetterWebsite\mediaPotter_loTXbcM.txt ▼ 选择文件

- Choose Teacher

wiliam ▼ 指派老师

- Your Requirement

Requirement

添加文字

Submit

(f) Check the application progress

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My Request

SID	StudentName	Requirement	StudentFilePath	TeacherName	Feedback	TeacherFilePath
2	student1	please give me 100	C:\Users\HH\Desktop\LetterWebsite\mediaPotter_loTXbcM.txt	alice	None	

[Search Teacher](#)
[Upload File](#)
[New Request](#)

老师还给答复也没上传letter

(g) Logout (get back to the login page)

2, professor operating step

(a) Registration

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Username: teacher1 Password: Password Again: Role: Computer Science Role: Student/Teacher

[Register](#)

Already a member? [Sign In](#)

(b)

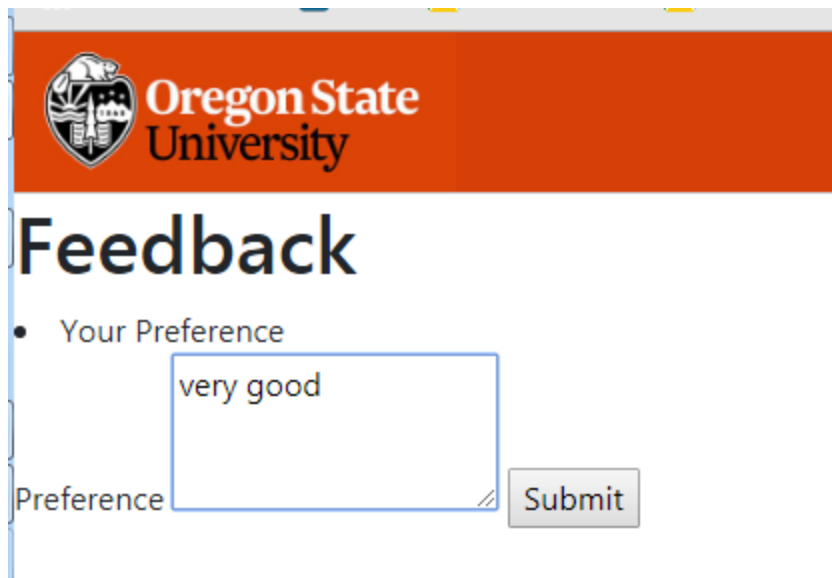
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Hello, alice

Requirement List

StudentID	StudentName	Requirement	Feedback?	Upload?	TeacherFileID
1	aaa	12121	Write it now	Upload it now	
2	student1	please give me 100	Write it now	Upload it now	

- (c) check the student application
- (d) feedback information



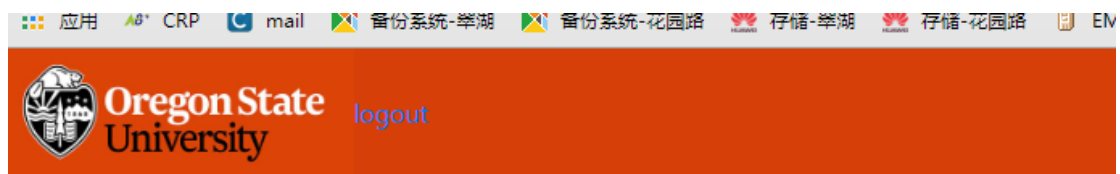
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Feedback

- Your Preference

Preference

after submit



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hello,alice

Requirement List

StudentID	StudentName	Requirement	Feedback?	Upload?	TeacherFileID
1	aaa	12121	very good	Upload it now	
2	student1	please give me 100	Write it now	Upload it now	

after upload file

Requirement List

StudentID	StudentName	Requirement	Feedback?	Upload?	TeacherFileID
1	aaa	12121	very good	YES	21
2	student1	please give me 100	Write it now	Upload it now	

(also show the teacher's ID

- (e) logout

