

Media

1. urls.py setting

```
from django.urls import path, re_path
from django.views.static import serve
from django.conf import settings
from app01 import views

urlpatterns = [
    # path('admin/', admin.site.urls),
    re_path(r'^media/(?P<path>.*)$', serve, {'document_root': settings.MEDIA_ROOT}, name='media'),
    path('med/', views.med),
]
```

2. settings.py setting

```
import os
MEDIA_ROOT = os.path.join(BASE_DIR, 'media')
MEDIA_URL = '/media/'
```

3. file upload

absolute path

```
import os
from django.conf import settings
def upload_form(request):
    title = 'Profile'
    if request.method == "GET":
        form = Upform()
        context = {
            'form': form,
            'title': title
        }
        return render(request, 'upload_form.html', context)

    form = Upform(data=request.POST, files=request.FILES)
    if form.is_valid():
        # save img
        # save img direction to database
        image_object = form.cleaned_data.get('img')

        # # file path in Linux & windows are diff
        # db_file_path = os.path.join("static", "img", image_object.name)
        # file_path = os.path.join("app01", db_file_path)
        media_path = os.path.join(settings.MEDIA_ROOT, image_object.name)
        f = open(media_path, mode='wb')
        for chunk in image_object.chunks():
            f.write(chunk)
        f.close()

        models.Profile.objects.create(
            name=form.cleaned_data['name'],
            email=form.cleaned_data['email'],
            img=media_path,
        )

    return HttpResponseRedirect("^-^")
context = {
```

```
        'form': form,
        'title': title
    }
    return render(request, 'upload_form.html', context)
```

Employee Department Management Department Management User Management Admin Account asdf ▾

Profile

Name

Email

Profile

Choose File

confusion_matrix.png

Save

MySQL 8.0 Command Line Client

id	name	email	img
1	asdf	asdf@123.com	app01\static\img\Collision_Largerthan200.jpeg

1 row in set (0.00 sec)

```
mysql> SELECT * FROM app01_profile;
```

id	name	email	img
1	asdf	asdf@123.com	app01\static\img\Collision_Largerthan200.jpeg
2	asdf	asdf@345.com	app01\static\img\BIRDS.png

2 rows in set (0.00 sec)

```
mysql> SELECT * FROM app01_profile;
```

id	name	email	img
1	asdf	asdf@123.com	app01\static\img\Collision_Largerthan200.jpeg
2	asdf	asdf@345.com	app01\static\img\BIRDS.png
3	asdf	asdf@345.com	static\img\BIRDS.png
4	ijnbhu	ijnbhu@7yg.com	static\img\MixedTern2.jpg

4 rows in set (0.00 sec)

```
mysql> SELECT * FROM app01_profile;
```

id	name	email	img
1	asdf	asdf@123.com	app01\static\img\Collision_Largerthan200.jpeg
2	asdf	asdf@345.com	app01\static\img\BIRDS.png
3	asdf	asdf@345.com	static\img\BIRDS.png
4	ijnbhu	ijnbhu@7yg.com	static\img\MixedTern2.jpg
5	ijnbhu	ijnbhu@7yg.com	C:\Users\...\PycharmProjects\Django_intro\Django_user_manage\media\confusion_matrix.png

5 rows in set (0.00 sec)

```
mysql>
```

relative path

```
import os

def upload_form(request):
    title = 'Profile'
    if request.method == "GET":
        form = Upform()
        context = {
            'form': form,
            'title': title
        }
        return render(request, 'upload_form.html', context)

    form = Upform(data=request.POST, files=request.FILES)
    if form.is_valid():
        # save img
        # save img direction to database
        image_object = form.cleaned_data.get('img')

        # # file path in Linux & windows are diff
        # db_file_path = os.path.join("static", "img", image_object.name)
```

```
# file_path = os.path.join("app01", db_file_path)
# media_path = os.path.join(settings.MEDIA_ROOT, image_object.name)
media_path = os.path.join('media', image_object.name)
f = open(media_path, mode='wb')
for chunk in image_object.chunks():
    f.write(chunk)
f.close()

models.Profile.objects.create(
    name=form.cleaned_data['name'],
    email=form.cleaned_data['email'],
    img=media_path,
)

return HttpResponseRedirect("^-^")
context = {
    'form': form,
    'title': title
}
return render(request, 'upload_form.html', context)
```

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Profile

Name

Email

Profile

Choose File

GreatBlueHeronAdult.png

Save

```
MySQL 8.0 Command Line Client
+----+-----+-----+-----+
| 2 | asdf | asdf@345.com | app01\static\img\BIRDS.png |
+----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> SELECT * FROM app01_profile;
+----+-----+-----+-----+
| id | name | email | img |
+----+-----+-----+-----+
| 1 | asdf | asdf@123.com | app01\static\img\Collision_Largerthan200.jpeg |
| 2 | asdf | asdf@345.com | app01\static\img\BIRDS.png |
| 3 | asdf | asdf@345.com | static\img\BIRDS.png |
| 4 | ijnihu | ijnihu@7yg.com | static\img\MixedTern2.jpg |
+----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT * FROM app01_profile;
+----+-----+-----+-----+
| id | name | email | img |
+----+-----+-----+-----+
| 1 | asdf | asdf@123.com | app01\static\img\Collision_Largerthan200.jpeg |
| 2 | asdf | asdf@345.com | app01\static\img\BIRDS.png |
| 3 | asdf | asdf@345.com | static\img\BIRDS.png |
| 4 | ijnihu | ijnihu@7yg.com | static\img\MixedTern2.jpg |
| 5 | ijnihu | ijnihu@7yg.com | C:\Users\user\PycharmProjects\Django_intro\Django_user_manage\media\confusion_matrix.png |
+----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> SELECT * FROM app01_profile;
+----+-----+-----+-----+
| id | name | email | img |
+----+-----+-----+-----+
| 1 | asdf | asdf@123.com | app01\static\img\Collision_Largerthan200.jpeg |
| 2 | asdf | asdf@345.com | app01\static\img\BIRDS.png |
| 3 | asdf | asdf@345.com | static\img\BIRDS.png |
| 4 | ijnihu | ijnihu@7yg.com | static\img\MixedTern2.jpg |
| 5 | ijnihu | ijnihu@7yg.com | C:\Users\user\PycharmProjects\Django_intro\Django_user_manage\media\confusion_matrix.png |
| 6 | ijnihu | ijnihu@7yg.com | media\GreatBlueHeronAdult.png |
+----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql>
```

4. model form

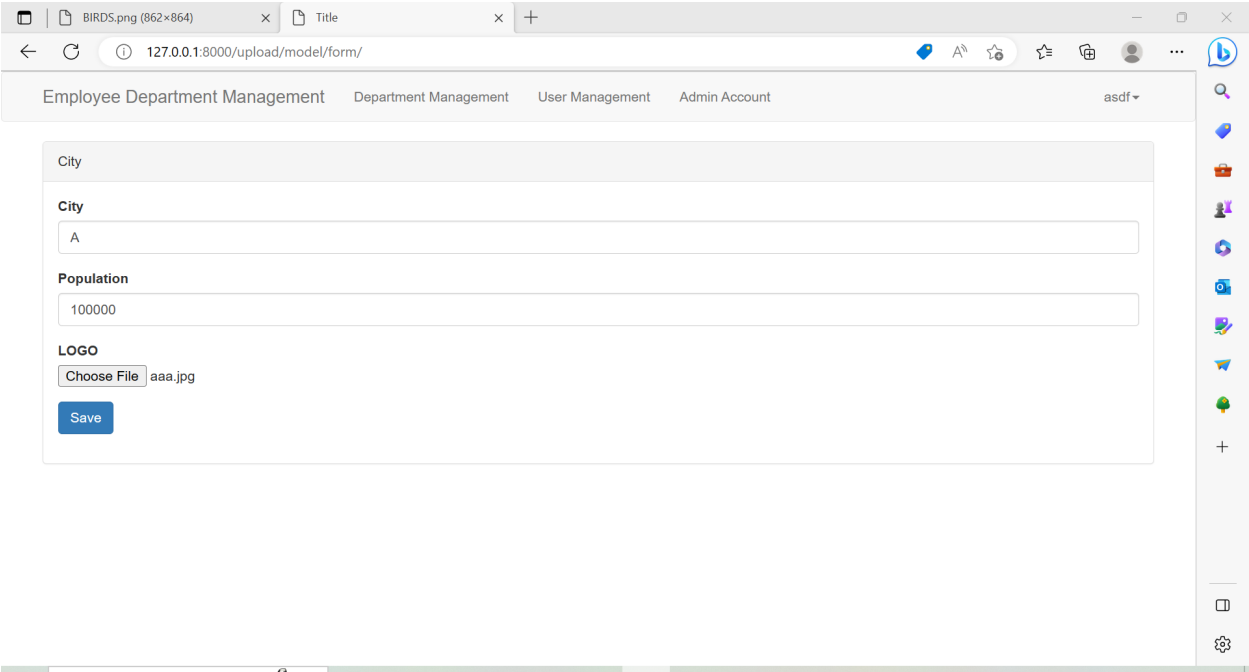
FileField upload_to:
which folder we want to save images in 'media'

```
class City(models.Model):
    name = models.CharField(verbose_name='City', max_length=32)
    count = models.IntegerField(verbose_name='Population')
    img = models.FileField(verbose_name='LOGO', max_length=128, upload_to='city/')
```

```
class UpModelForm(BootStrapModelForm):
    bootstrap_exclude_fields = ['img']
    class Meta:
        model = models.City
        fields = "__all__"

def upload_ModelFrom(request):
    title = 'City'
    if request.method == "GET":
        form = UpModelForm()
        context = {
            'form': form,
            'title': title
        }
        return render(request, 'upload_form.html', context)

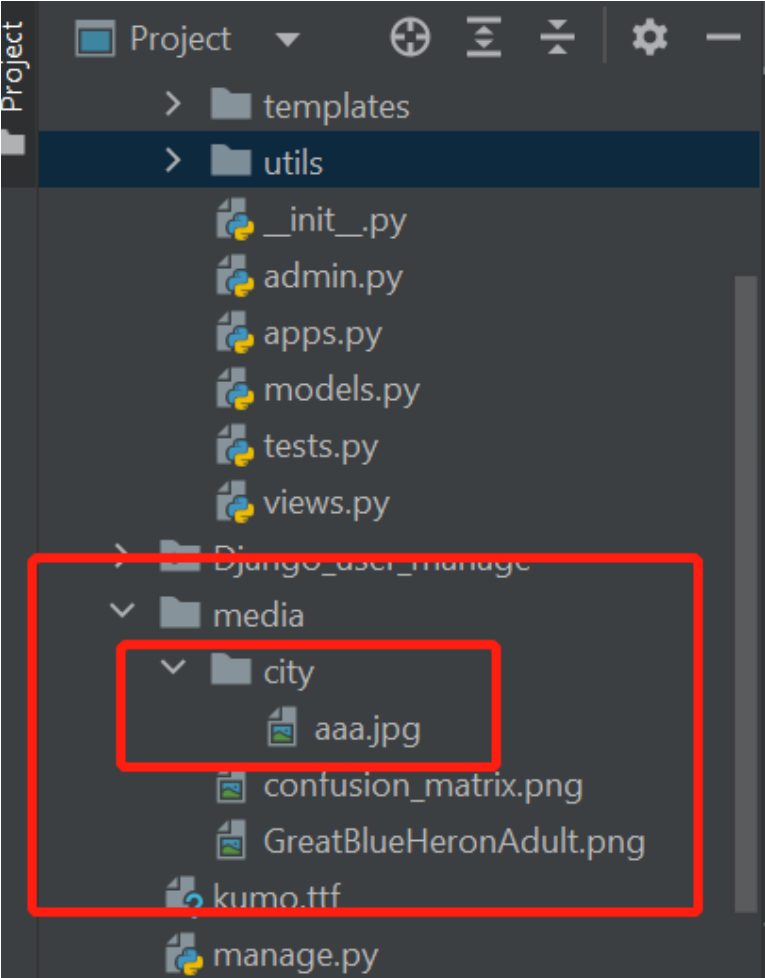
    form = UpModelForm(data=request.POST, files=request.FILES)
    if form.is_valid():
        form.save()
        return HttpResponseRedirect("^-^")
    context = {
        'form': form,
        'title': title
    }
    return render(request, 'upload_form.html', context)
# return HttpResponseRedirect("o_0")
```



```
MySQL 8.0 Command Line Client
+----+
| id | name | email | img |
+----+
+----+
| 1 | asdf | asdf@123.com | app01\static\img\Collision_Largerthan200.jpeg |
| 2 | asdf | asdf@345.com | app01\static\img\BIRDS.png |
| 3 | asdf | asdf@345.com | static\img\BIRDS.png |
| 4 | ijbhu | ijbhu@7yg.com | static\img\MixedTern2.jpg |
| 5 | ijbhu | ijbhu@7yg.com | C:\Users\ .PycharmProjects\Django_intro\Django_user_manage\media\confusion_matrix.png |
| 6 | ijbhu | ijbhu@7yg.com | media\GreatBlueHeronAdult.png |
+----+
+----+
6 rows in set (0.00 sec)

mysql> SELECT * FROM app01_city;
+----+
| id | name | count | img |
+----+
| 1 | A | 100000 | city/aaa.jpg |
+----+
1 row in set (0.00 sec)

mysql>
```



5. Show img

```
<!-- city_list.html -->

{% extends 'layout.html' %}

{% block content %}
    <div class="container">

        <div>
            <a href="#" class="btn btn-success" style="margin-bottom: 10px">
                <span class="glyphicon glyphicon-plus" aria-hidden="true"></span>
```

```

        Create New City
    </a>
</div>

<div class="bs-example" data-example-id="panel-without-body-with-table">

    <div class="panel panel-default">
        <!-- Default panel contents -->
        <div class="panel-heading">City List</div>

        <!-- Table -->
        <table class="table">
            <thead>
                <tr>
                    <th>ID</th>
                    <th>Logo</th>
                    <th>City</th>
                    <th>Population</th>
                </tr>
            </thead>
            <tbody>
                {% for obj in queryset %}
                    <tr>
                        <th scope="row">{{ obj.id }}</th>
                        <td>{{ obj.img }}</td>
                        <td>{{ obj.name }}</td>
                        <td>{{ obj.population }}</td>

                        </tr>
                    {% endfor %}

                </tbody>
            </table>
        </div>
    </div>
    <nav aria-label="Page navigation">
        <ul class="pagination">
            {{ page_string }}
        </ul>
    </nav>
</div>
{% endblock %}
```

```
def city_list(request):

    queryset = models.City.objects.all()

    return render(request, 'city_list.html', {'queryset': queryset})
```

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+ Create New City


City List			
ID	Logo	City	Population
1	city/aaa.jpg	A	

want img

```
<td>

</td>
```

+ Create New City

City List			
ID	Logo	City	Population
1		A	