

Creating a Django app with Uploadcare

```
-virtualenv -p python3 instagrid
-.\instagrid\Scripts\activate
-pip install django
-pip install pyuploadcare
-django-admin startproject instagrid
-cd instagrid
-python manage.py runserver
-python manage.py migrate
```

Configuration

Open the `/instagrid/settings.py` file and find the `INSTALLED_APPS` section. There, add lines for app name and pyuploadcare:

```
INSTALLED_APPS = [
    'instagrid',
    'pyuploadcare.dj',
    ...
]
```

Here we will add the path to the templates directory:

```
TEMPLATES = [
    {
        'DIRS': [os.path.join(BASE_DIR, 'templates')],
        ...
    },
]
```

```
UPLOADCARE = {
    'pub_key': 'YOUR_PUBLIC_KEY',
    'secret': 'YOUR_SECRET_KEY',
}
```

Creating a Model

Say, we would like to store the info about uploaded images in a database. Create a new file under /instagrid/ named models.py.

```
from django.db import models
from pyuploadcare.dj.models import ImageField

class Post(models.Model):
    photo = ImageField(blank=True, manual_crop="")
```

-python manage.py makemigrations instagrid

-python manage.py migrate

Create a Template and a View

Create the templates folder under project's main directory (it's near the manage.py), and put index.html file there.

The last thing in this step is creating a view.

Create a new file named views.py under the /instagrid/ directory in app. Put there the following code:

```
from django.shortcuts import render, redirect

from .models import Post

from .forms import PostForm

def home(request):
    if request.method == "POST":
        form = PostForm(request.POST)

        if form.is_valid():
            post = form.save(commit=False)

            post.save()
```

```
else:
```

```
    form = PostForm()
```

```
try:
```

```
    posts = Post.objects.all()
```

```
except Post.DoesNotExist:
```

```
    posts = None
```

```
return render(request, 'index.html', { 'posts': posts, 'form': form })
```

To make view show up on the site, you have to also change the `/instagrid/urls.py` like that:

```
from django.contrib import admin
from django.urls import path
from . import views
```

```
urlpatterns = [
    path('admin/', admin.site.urls),
    path("", views.home)
]
```

Create a Form

First, create the `forms.py` file under the `/instagrid/` directory in your project.

The simplest way is to create a form from a model. Insert the following snippet into the newly created file:

```
from django import forms
from .models import Post
from pyuploadcare.dj.forms import ImageField
```

```
class PostForm(forms.ModelForm):
    photo = ImageField(label="")
```

```
class Meta:
    model = Post
    fields = ('photo',)
```

`-python manage.py runserver`

