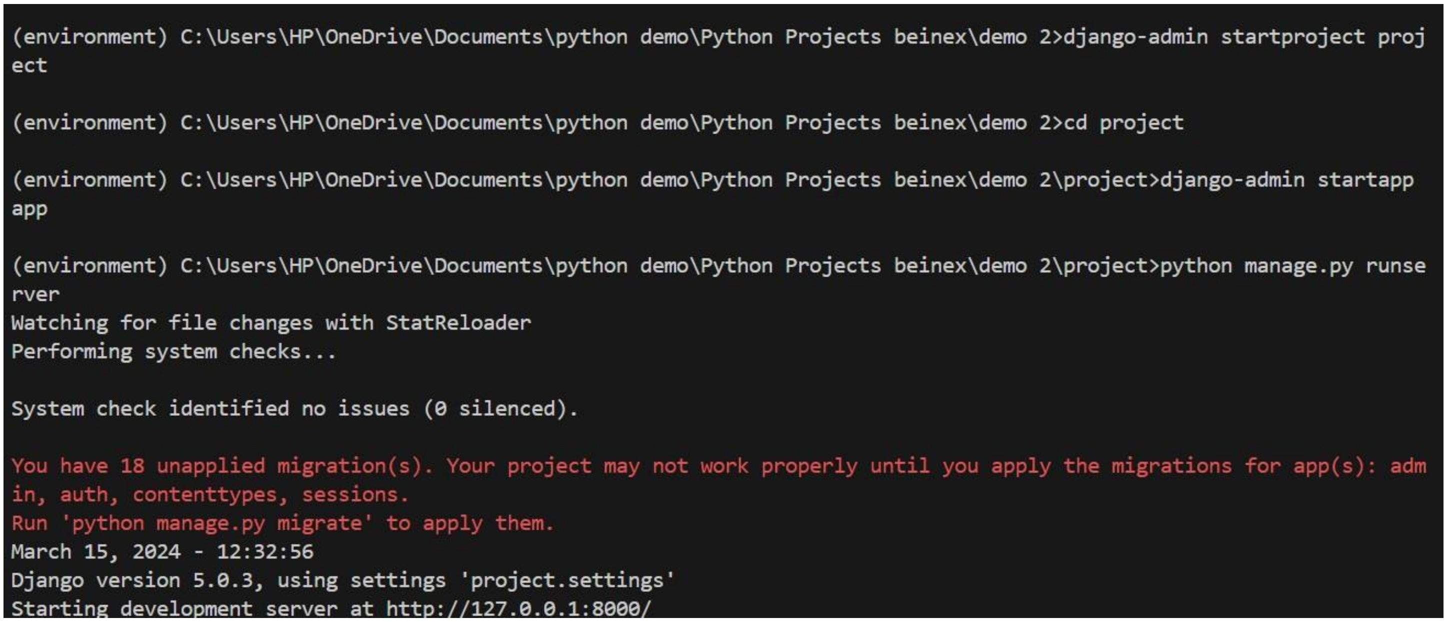
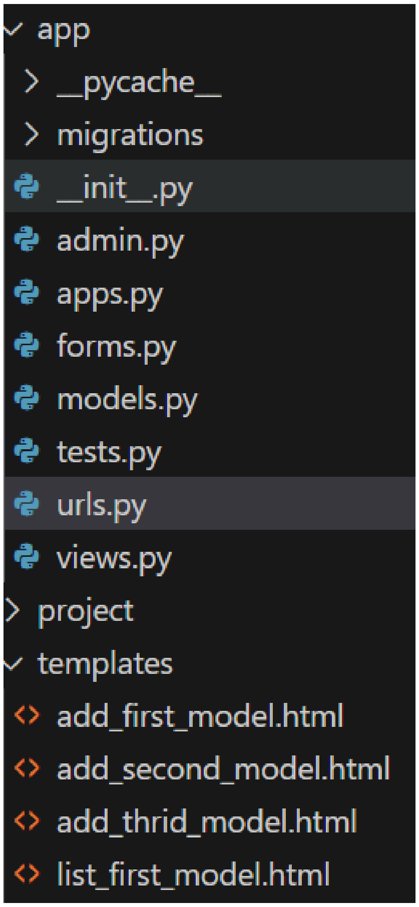
DJANGO TASK 5

Create a new Django project

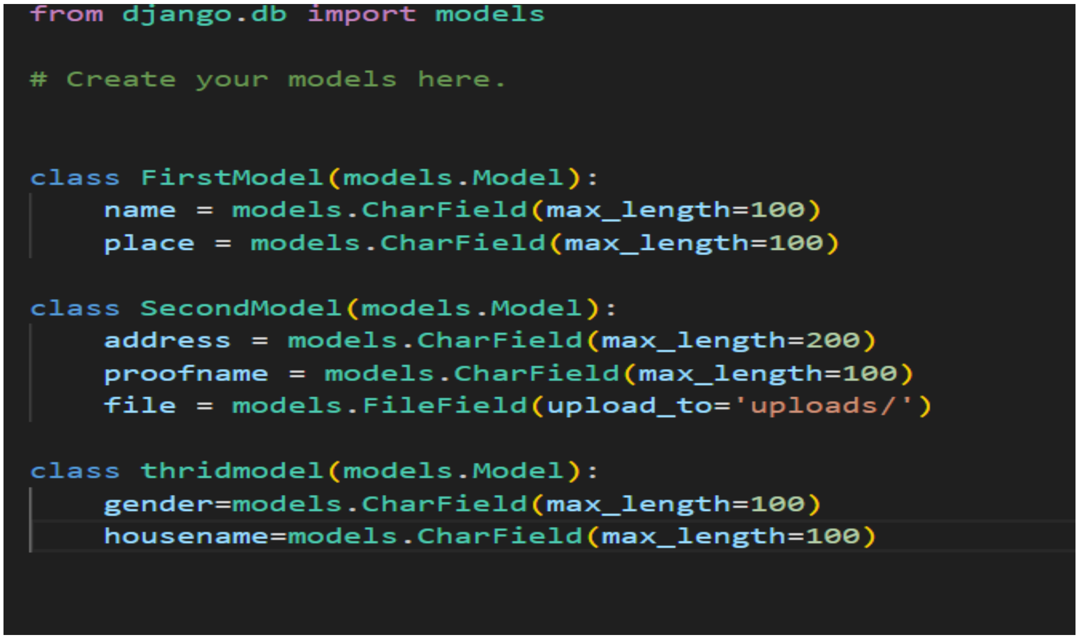


```
(environment) C:\Users\HP\OneDrive\Documents\python demo\Python Projects beinex\demo 2>django-admin startproject proj
ect

(environment) C:\Users\HP\OneDrive\Documents\python demo\Python Projects beinex\demo 2>cd project

(environment) C:\Users\HP\OneDrive\Documents\python demo\Python Projects beinex\demo 2\project>django-admin startapp
app

(environment) C:\Users\HP\OneDrive\Documents\python demo\Python Projects beinex\demo 2\project>python manage.py runse
rver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): adm
in, auth, contenttypes, sessions.
Run 'python manage.py migrate' to apply them.
March 15, 2024 - 12:32:56
Django version 5.0.3, using settings 'project.settings'
Starting development server at http://127.0.0.1:8000/
```

Create required apps and models?

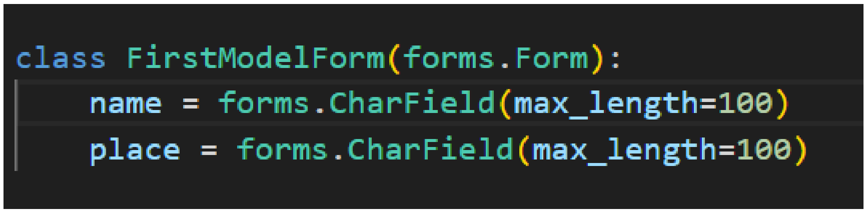


```
∨ app
  > __pycache__
  > migrations
    __init__.py
    admin.py
    apps.py
    forms.py
    models.py
    tests.py
    urls.py
    views.py
> project
∨ templates
    add_first_model.html
    add_second_model.html
    add_thrid_model.html
    list_first_model.html
```

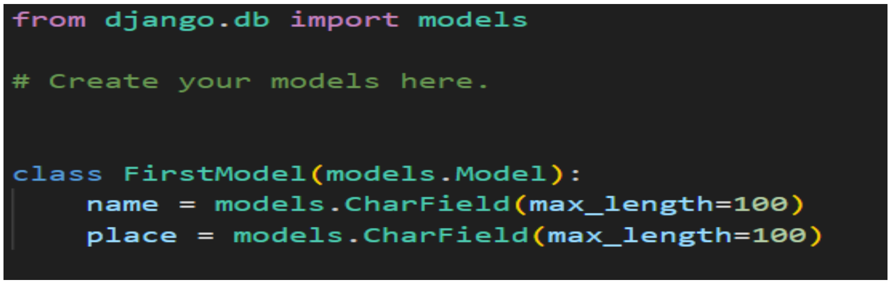


```python
from django.db import models

# Create your models here.


class FirstModel(models.Model):
    name = models.CharField(max_length=100)
    place = models.CharField(max_length=100)

class SecondModel(models.Model):
    address = models.CharField(max_length=200)
    proofname = models.CharField(max_length=100)
    file = models.FileField(upload_to='uploads/')

class thridmodel(models.Model):
    gender=models.CharField(max_length=100)
    housename=models.CharField(max_length=100)
```

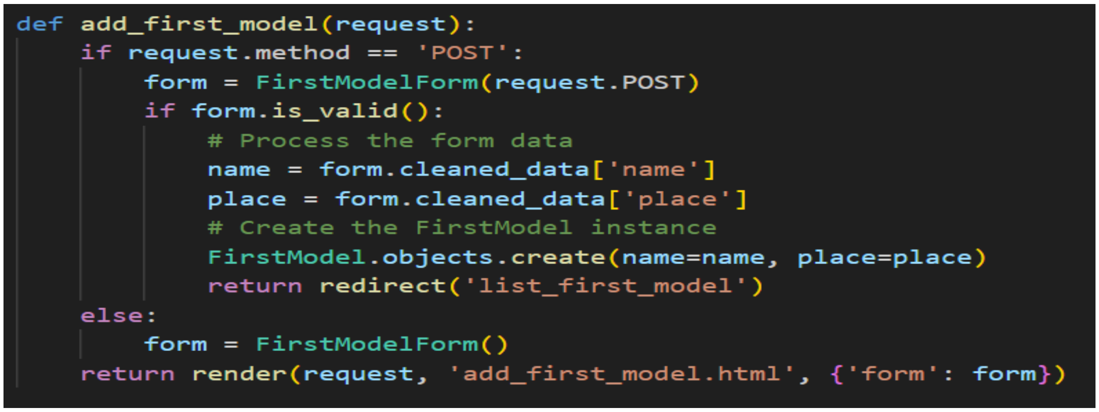
Create a view for adding details to first model (Use normal forms)



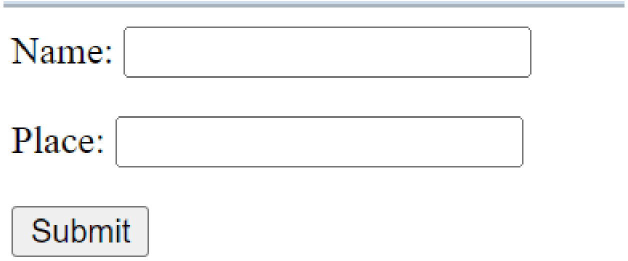
```python
class FirstModelForm(forms.Form):
    name = forms.CharField(max_length=100)
    place = forms.CharField(max_length=100)
```



```python
from django.db import models

# Create your models here.


class FirstModel(models.Model):
    name = models.CharField(max_length=100)
    place = models.CharField(max_length=100)
```



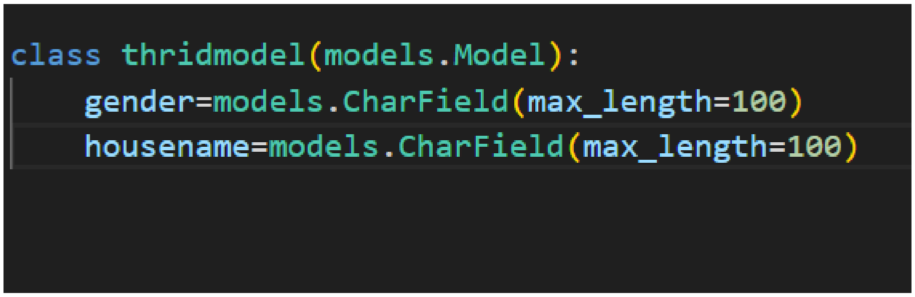
```python
def add_first_model(request):
    if request.method == 'POST':
        form = FirstModelForm(request.POST)
        if form.is_valid():
            # Process the form data
            name = form.cleaned_data['name']
            place = form.cleaned_data['place']
            # Create the FirstModel instance
            FirstModel.objects.create(name=name, place=place)
            return redirect('list_first_model')
    else:
        form = FirstModelForm()
    return render(request, 'add_first_model.html', {'form': form})
```



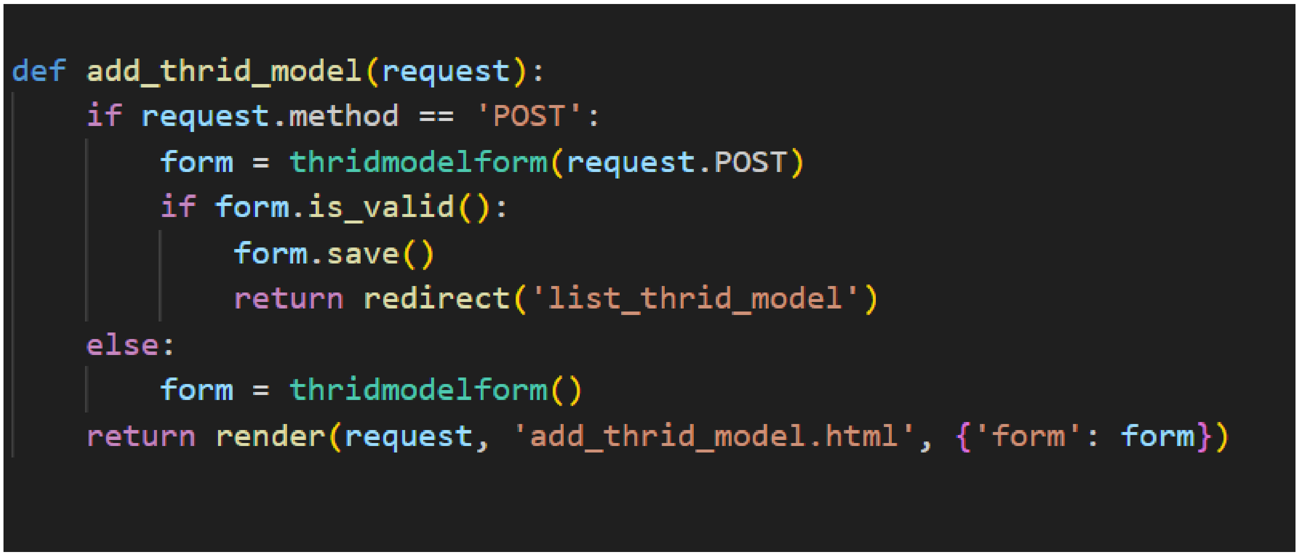
Name:

Place:

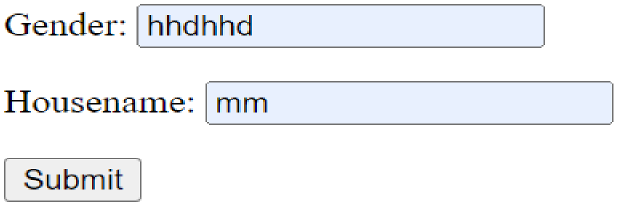
Create a view for adding details to second model (Use model forms)



```
class thridmodel(models.Model):
    gender=models.CharField(max_length=100)
    housename=models.CharField(max_length=100)
```

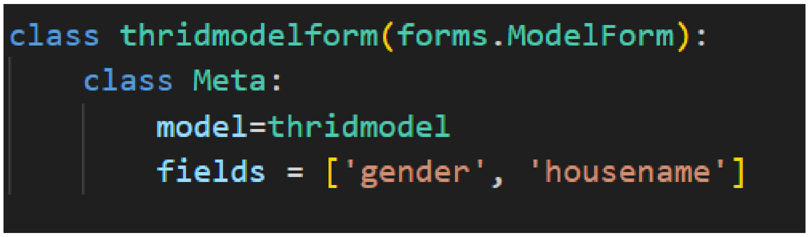


```
def add_thrid_model(request):
    if request.method == 'POST':
        form = thridmodelform(request.POST)
        if form.is_valid():
            form.save()
            return redirect('list_thrid_model')
    else:
        form = thridmodelform()
    return render(request, 'add_thrid_model.html', {'form': form})
```



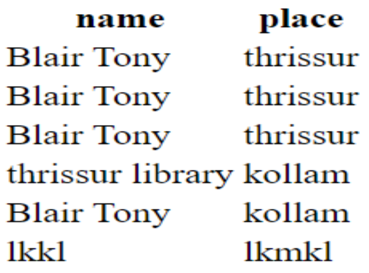
Gender: hhdhhd

Housename: mm

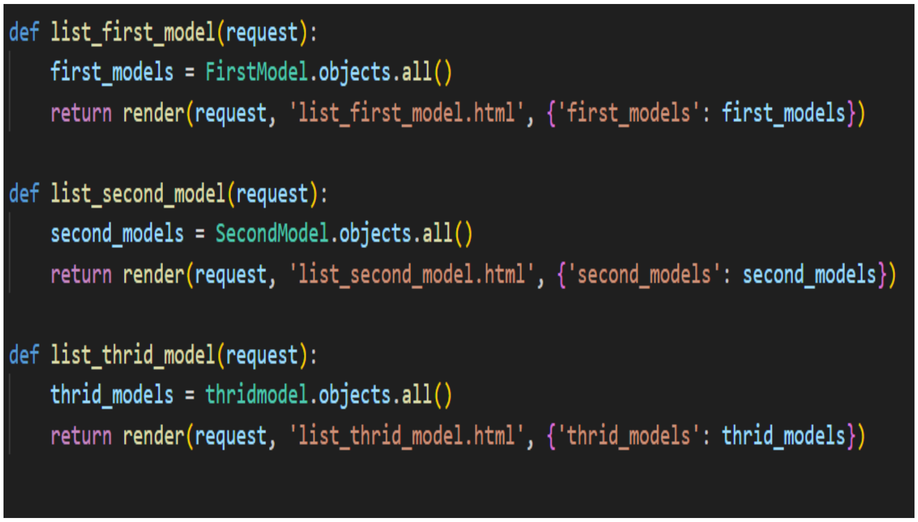


```
class thridmodelform(forms.ModelForm):
    class Meta:
        model=thridmodel
        fields = ['gender', 'housename']
```

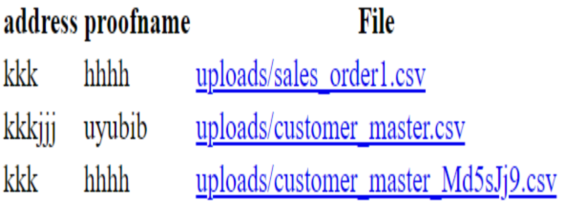
Create views for listing created records of each model in a table



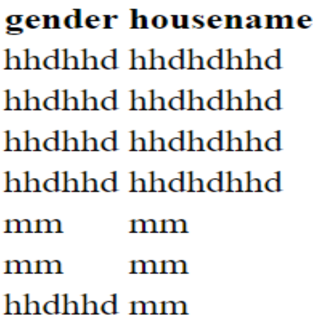
name	place
Blair Tony	thrissur
Blair Tony	thrissur
Blair Tony	thrissur
thrissur library	kollam
Blair Tony	kollam
lkkl	lkmkl



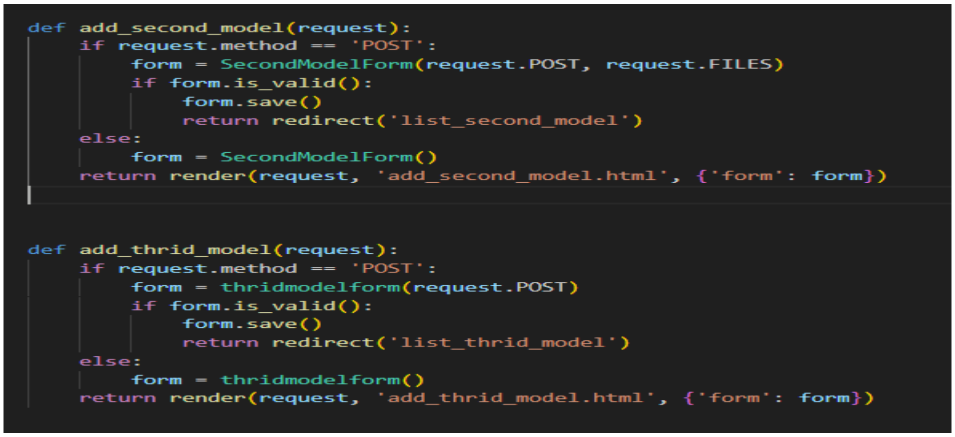
```
def list_first_model(request):
    first_models = FirstModel.objects.all()
    return render(request, 'list_first_model.html', {'first_models': first_models})

def list_second_model(request):
    second_models = SecondModel.objects.all()
    return render(request, 'list_second_model.html', {'second_models': second_models})

def list_thrid_model(request):
    thrid_models = thridmodel.objects.all()
    return render(request, 'list_thrid_model.html', {'thrid_models': thrid_models})
```



address	proofname	File
kkk	hhhh	uploads/sales_order1.csv
kkkjjj	uyubib	uploads/customer_master.csv
kkk	hhhh	uploads/customer_master_Md5sJj9.csv

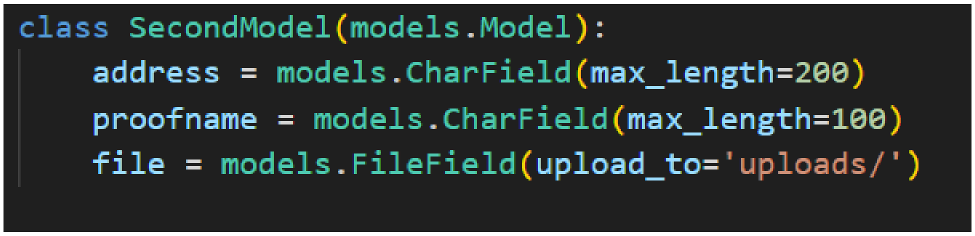


gender	housename
hhdhhd	hhdhdhhd
hhdhhd	hhdhdhhd
hhdhhd	hhdhdhhd
hhdhhd	hhdhdhhd
mm	mm
mm	mm
hhdhhd	mm

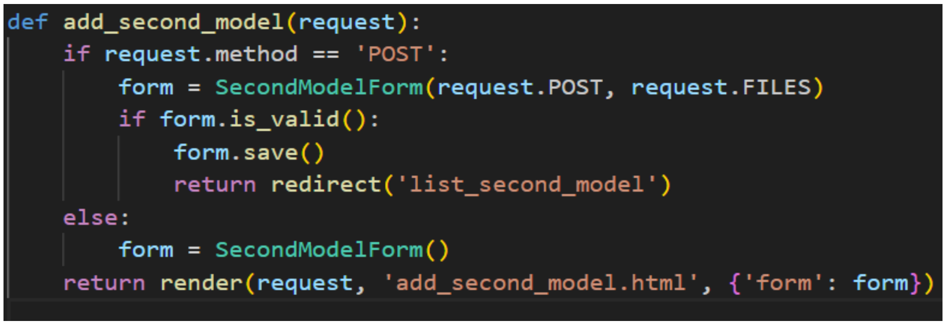


```
def add_second_model(request):
    if request.method == 'POST':
        form = SecondModelForm(request.POST, request.FILES)
        if form.is_valid():
            form.save()
            return redirect('list_second_model')
    else:
        form = SecondModelForm()
    return render(request, 'add_second_model.html', {'form': form})


def add_thrid_model(request):
    if request.method == 'POST':
        form = thridmodelform(request.POST)
        if form.is_valid():
            form.save()
            return redirect('list_thrid_model')
    else:
        form = thridmodelform()
    return render(request, 'add_thrid_model.html', {'form': form})
```

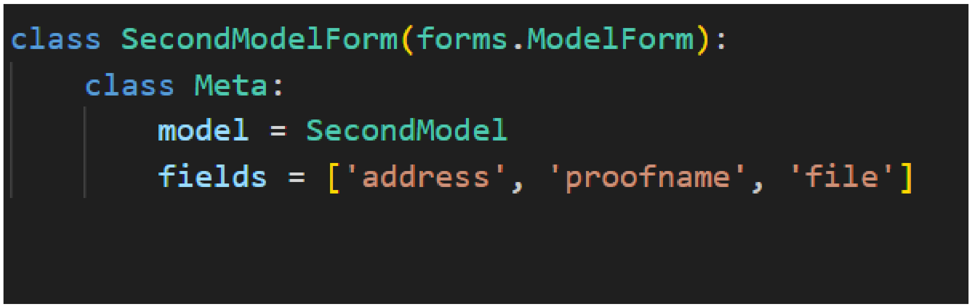
Implement file upload using Model Form and list the uploaded files



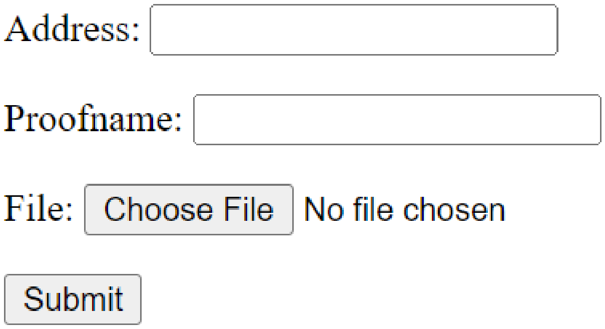
```python
class SecondModel(models.Model):
    address = models.CharField(max_length=200)
    proofname = models.CharField(max_length=100)
    file = models.FileField(upload_to='uploads/')
```



```python
def add_second_model(request):
    if request.method == 'POST':
        form = SecondModelForm(request.POST, request.FILES)
        if form.is_valid():
            form.save()
            return redirect('list_second_model')
    else:
        form = SecondModelForm()
    return render(request, 'add_second_model.html', {'form': form})
```



```python
class SecondModelForm(forms.ModelForm):
    class Meta:
        model = SecondModel
        fields = ['address', 'proofname', 'file']
```



Address:

Proofname:

File: Choose File No file chosen

Submit