

Django insert database with Ajax :-

run the following command - This will create a `my_project` directory in your current directory

```
D:\>django-admin startproject djangoajax
```

then go to myproject folder path type following command :-

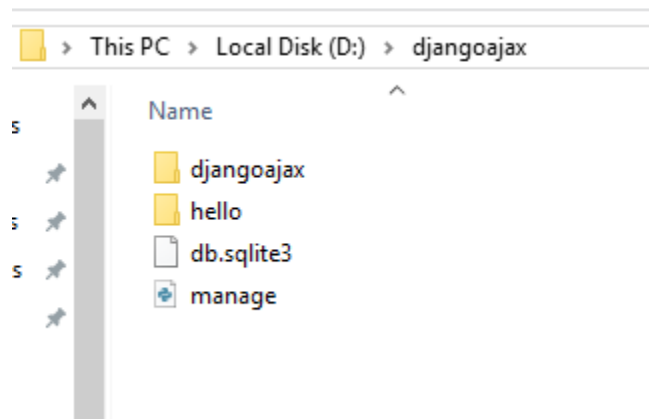
```
D:\>cd djangoajax
```

To create your app, make sure you're in the your project directory & type this command:

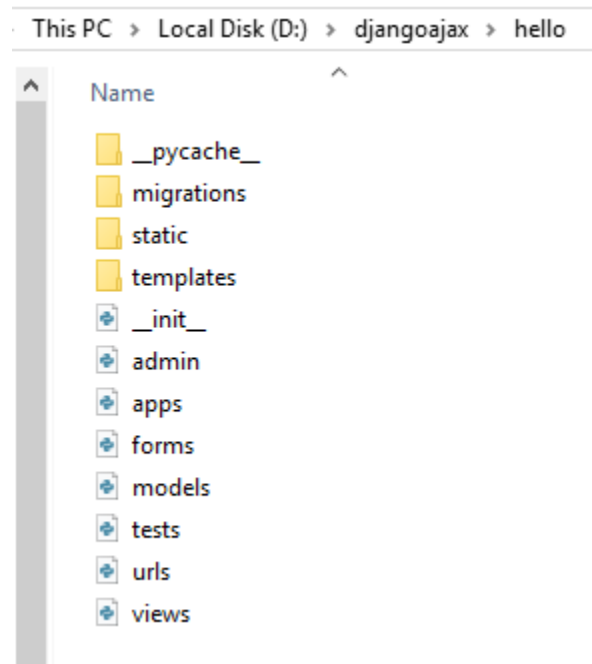
```
D:\djangoajax>python manage.py startapp hello
```

That'll create a directory `hello` app folder inside `djangoajax` folder:-

after it open your D: drive inside it you will see `djangoajax` folder



And inside hello app folder you will see



Step 1:- models.py file code

```
from django.db import models

# Create your models here.

class ContactForm(models.Model):

    fullname= models.CharField(max_length=100)
    email= models.EmailField()
    contact= models.CharField(max_length=50)
    message= models.CharField(max_length=200)
```

After creating this model, we need to run two commands in order to create Database for the same.

```
Python manage.py makemigrations
Python manage.py migrate
```

admin.py file code :-

```
from django.contrib import admin
from .models import *

# Register your models here.

admin.site.register(ContactForm)
```

forms.py file code:-

```
from django import forms
from .models import ContactForm

class FormContactForm(forms.ModelForm):
    class Meta:
        model= ContactForm
        fields= ["fullname", "email", "contact", "message"]
        widgets={'fullname':forms.TextInput(
            attrs={'class':'form-control','id':'fullname'}),
            'email':forms.TextInput(
                attrs={'class':'form-control','id':'email'}),
            'contact':forms.TextInput(
                attrs={'class':'form-control','id':'contact'}),
            'message':forms.Textarea(
                attrs={'class':'form-control','id':'message'})
        }
```

Views.py file code:-

```
from django.shortcuts import render
```

```
from hello.forms import FormContactForm
from .models import *
from django.http import JsonResponse

# Create your views here.
def showform(request):
    form= FormContactForm(request.POST or None)

    context= {'form': form }

    return render(request, 'contactform.html', context)

def saveform(request):

    form= FormContactForm(request.POST or None)
    if form.is_valid():
        fn=request.POST['fullname']
        em=request.POST['email']
        cn=request.POST['contact']
        msg=request.POST['message']
        data=ContactForm(fullname=fn,email=em,contact=cn,message=msg)
        result=data.save()
        return JsonResponse({'status':'Save'})

def testbtn(request):

    return JsonResponse({'status':'Save'})

def index(request):
    return render(request, 'index.html')
```

step 2:-

urls.py file code of your app folder :-

```
from django.urls import path

from . import views

urlpatterns=[
    path('',views.index,name='index'),

    path('showform/', views.showform,name='showform'),
    path('showform/saveform/', views.saveform,name='saveform'),
    path('showform/testbtn/', views.testbtn,name='testbtn'),

]
```

Step 3:- create contactform.html file templates folder inside your app folder :-

```
<!DOCTYPE html>
<html lang="en">
<head>
    {% load static %}

<meta charset="UTF-8">
<title>Django Contact Form</title>
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js">
</script>
```

```

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js
" integrity="sha384-
Mrcw6ZMFY1zcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
<script src="{% static 'js/script.js' %}"></script>
</head>
<body>
  <div class="container">
<form>
{% csrf_token %}
{{ form.as_p }}
<div class="form-group">
<button type="button" id="btnsave" class="btn btn-primary">Submit</button>
</div>
</div>
</form>

</body>
</html>

```

Step 4:- create folder `static/js/script.js` inside your app folder:-

```

$(document).ready(function(){

$("#btnsave").click(function()
{
  let fullname = $('#fullname').val();
  let email = $('#email').val();
  let contact = $('#contact').val();
  let message = $('#message').val();
  let csr=$('#input[name=csrfmiddlewaretoken]').val()

mydata={fullname:fullname,email:email,contact:contact,
message:message,csrfmiddlewaretoken:csr};

$.ajax({

  url: 'saveform/',
  type: 'POST',
  data: mydata,
  success:function(data){
    if(data.status=='Save')

```

```
{
  console.log(data);

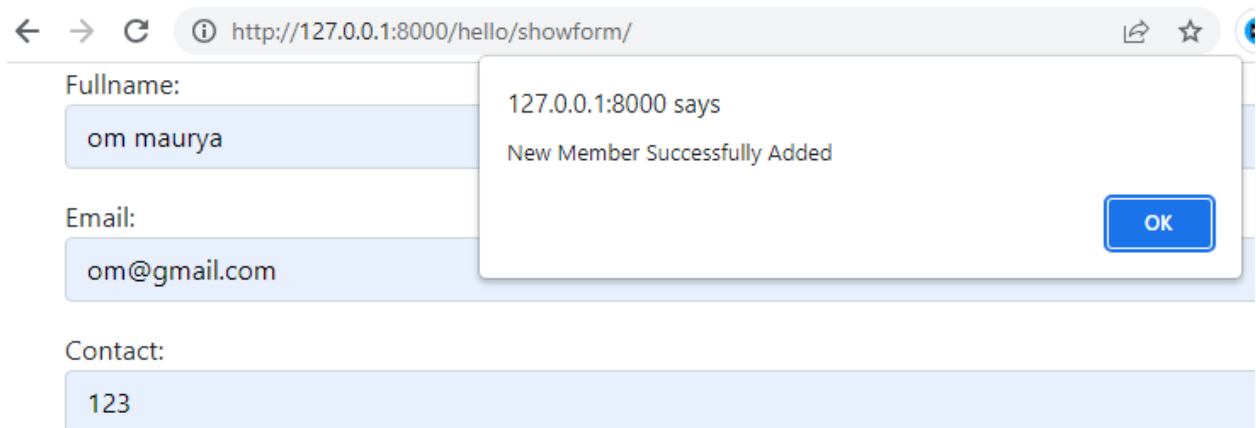
  alert("New Member Successfully Added");
}
else{
  alert("Not Added");
}

}

});
});
});
```

Run your project and you will see output

Output:-



The screenshot shows a web browser window with the address bar displaying `http://127.0.0.1:8000/hello/showform/`. The browser interface includes navigation buttons (back, forward, refresh) and icons for share, star, and a globe. The main content area contains a form with three input fields: "Fullname:" with the value "om maurya", "Email:" with the value "om@gmail.com", and "Contact:" with the value "123". An alert dialog box is overlaid on the form, displaying the text "127.0.0.1:8000 says" and "New Member Successfully Added", with an "OK" button at the bottom right.