

Student Signup Form in Django

Step 1: Install Django

Ensure you have Python installed, then install Django using:

```
pip install django
```

Step 2: Create a Django Project

Create a new Django project named `student_portal`:

```
django-admin startproject student_portal  
cd student_portal
```

Folder Structure (Initial)

```
student_portal/  
├── manage.py  
├── student_portal/  
│   ├── settings.py  
│   ├── urls.py  
│   ├── asgi.py  
│   └── wsgi.py
```

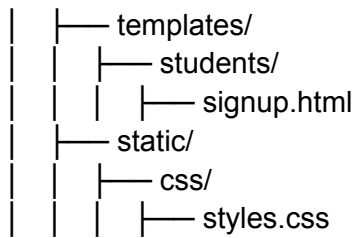
Step 3: Create a Django App

Create an app named `students`:

```
python manage.py startapp students
```

Updated Folder Structure

```
student_portal/  
├── students/  
│   ├── models.py  
│   ├── views.py  
│   ├── forms.py  
│   └── urls.py
```



Step 4: Register the App

Modify `student_portal/settings.py`:

```
INSTALLED_APPS = [
    'students',
]
```

Step 5: Create the Student Model

Modify `students/models.py`:

```
from django.db import models

class Student(models.Model):
    first_name = models.CharField(max_length=50)
    last_name = models.CharField(max_length=50)
    email = models.EmailField(unique=True)
    phone = models.CharField(max_length=15)
    password = models.CharField(max_length=100)
```

Run migrations:

```
python manage.py makemigrations
python manage.py migrate
```

Step 6: Create the Signup Form

Modify `students/forms.py`:

```
from django import forms
from .models import Student
```

```
class StudentSignupForm(forms.ModelForm):
    password = forms.CharField(widget=forms.PasswordInput(attrs={'class': 'form-control',
'placeholder': 'Enter password'}))

    class Meta:
        model = Student
        fields = ['first_name', 'last_name', 'email', 'phone', 'password']
        widgets = {
            'first_name': forms.TextInput(attrs={'class': 'form-control', 'placeholder': 'Enter first
name'}),
            'last_name': forms.TextInput(attrs={'class': 'form-control', 'placeholder': 'Enter last
name'}),
            'email': forms.EmailInput(attrs={'class': 'form-control', 'placeholder': 'Enter email'}),
            'phone': forms.TextInput(attrs={'class': 'form-control', 'placeholder': 'Enter phone
number'}),
        }
```

Step 7: Create the Signup View

Modify `students/views.py`:

```
from django.shortcuts import render, redirect
from .forms import StudentSignupForm

def student_signup(request):
    if request.method == "POST":
        form = StudentSignupForm(request.POST)
        if form.is_valid():
            form.save()
            return redirect('signup_success')
    else:
        form = StudentSignupForm()

    return render(request, 'students/signup.html', {'form': form})

def signup_success(request):
    return render(request, 'students/signup_success.html')
```

Step 8: Configure URLs

Modify `students/urls.py`:

```
from django.urls import path
from .views import student_signup, signup_success

urlpatterns = [
    path('signup/', student_signup, name='student_signup'),
    path('signup-success/', signup_success, name='signup_success'),
]
```

Modify `student_portal/urls.py`:

```
from django.urls import path, include

urlpatterns = [
    path('students/', include('students.urls')),
]
```

Step 9: Create the Signup Template

Modify `students/templates/students/signup.html`:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Student Signup</title>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">
    <link rel="stylesheet" href="/static/css/styles.css">
</head>
<body>
    <div class="container d-flex justify-content-center align-items-center min-vh-100">
        <div class="card shadow-lg p-4 rounded-4">
            <h2 class="text-center mb-4">🎓 Student Signup</h2>
            <form method="post">
                {% csrf_token %}
                <div class="mb-3">
                    <label class="form-label">First Name</label>
                    {{ form.first_name }}
                </div>
                <div class="mb-3">
                    <label class="form-label">Last Name</label>
                    {{ form.last_name }}
                </div>
                <div class="mb-3">
```

```
        <label class="form-label">Email</label>
        {{ form.email }}
    </div>
    <div class="mb-3">
        <label class="form-label">Phone</label>
        {{ form.phone }}
    </div>
    <div class="mb-3">
        <label class="form-label">Password</label>
        {{ form.password }}
    </div>
    <button type="submit" class="btn btn-primary w-100">Sign Up</button>
</form>
</div>
</div>
</body>
</html>
```

Step 10: Improve Styling

Modify `students/static/css/styles.css`:

```
body {
    background: linear-gradient(to right, #6a11cb, #2575fc);
}

.card {
    max-width: 400px;
    background: white;
    border-radius: 12px;
}

.btn-primary {
    background: linear-gradient(90deg, #6a11cb, #2575fc);
    border: none;
}
```

Step 11: Run the Server

Run the Django server:

```
python manage.py runserver
```

Visit <http://127.0.0.1:8000/students/signup/> to see the signup form.