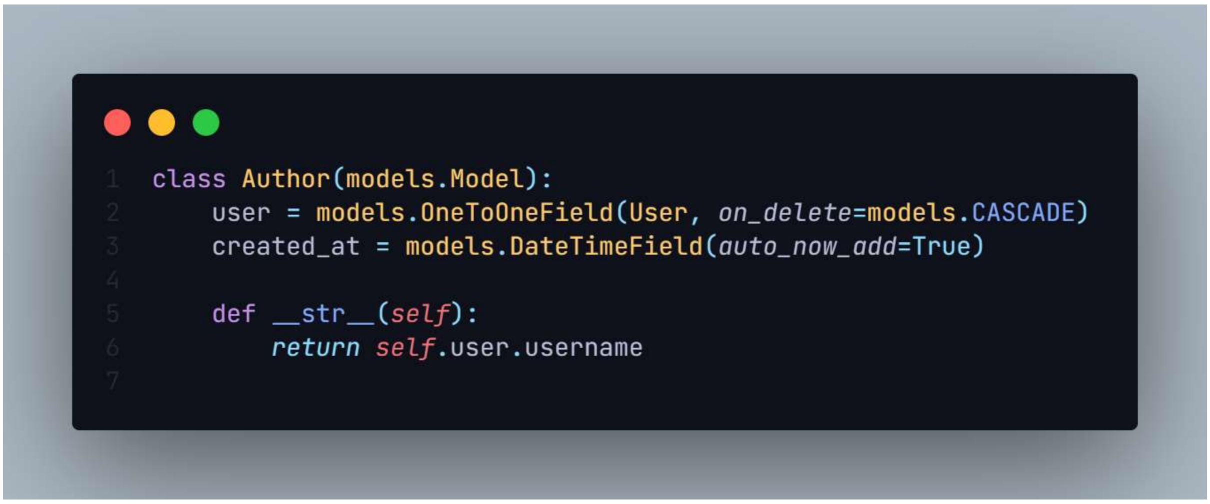
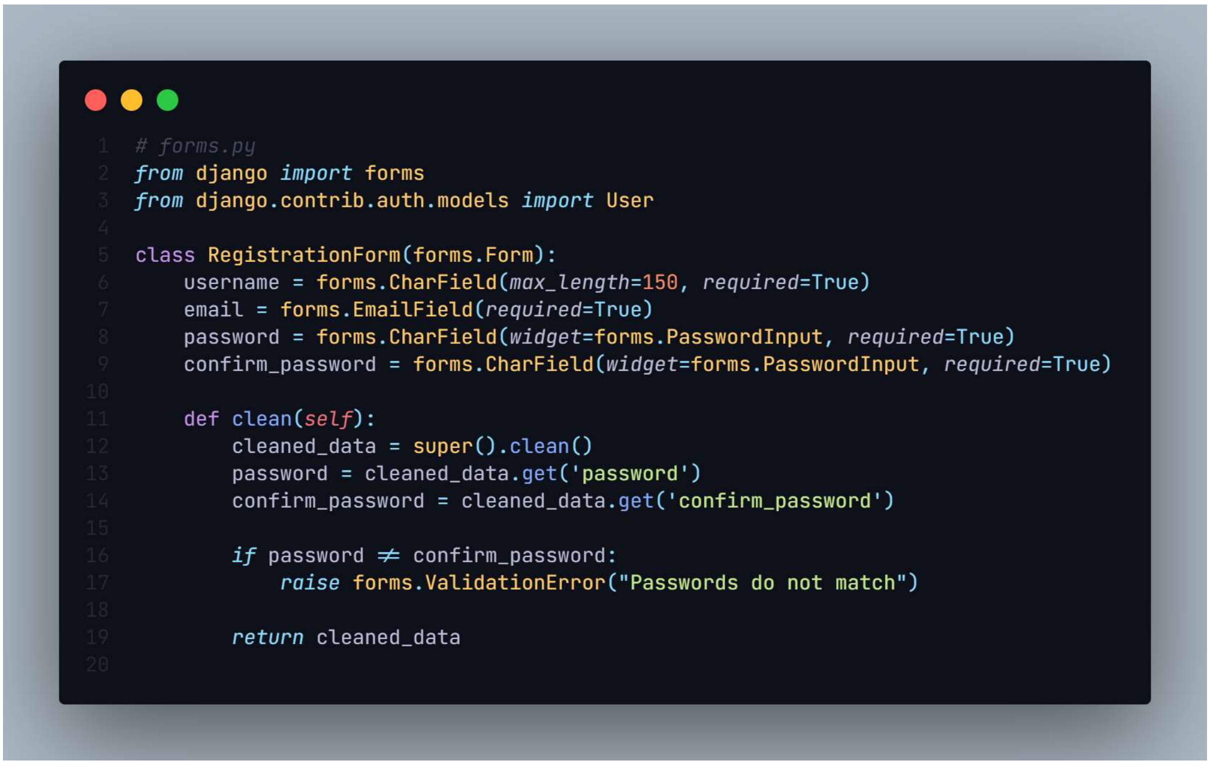
Step 1: Create Author Model



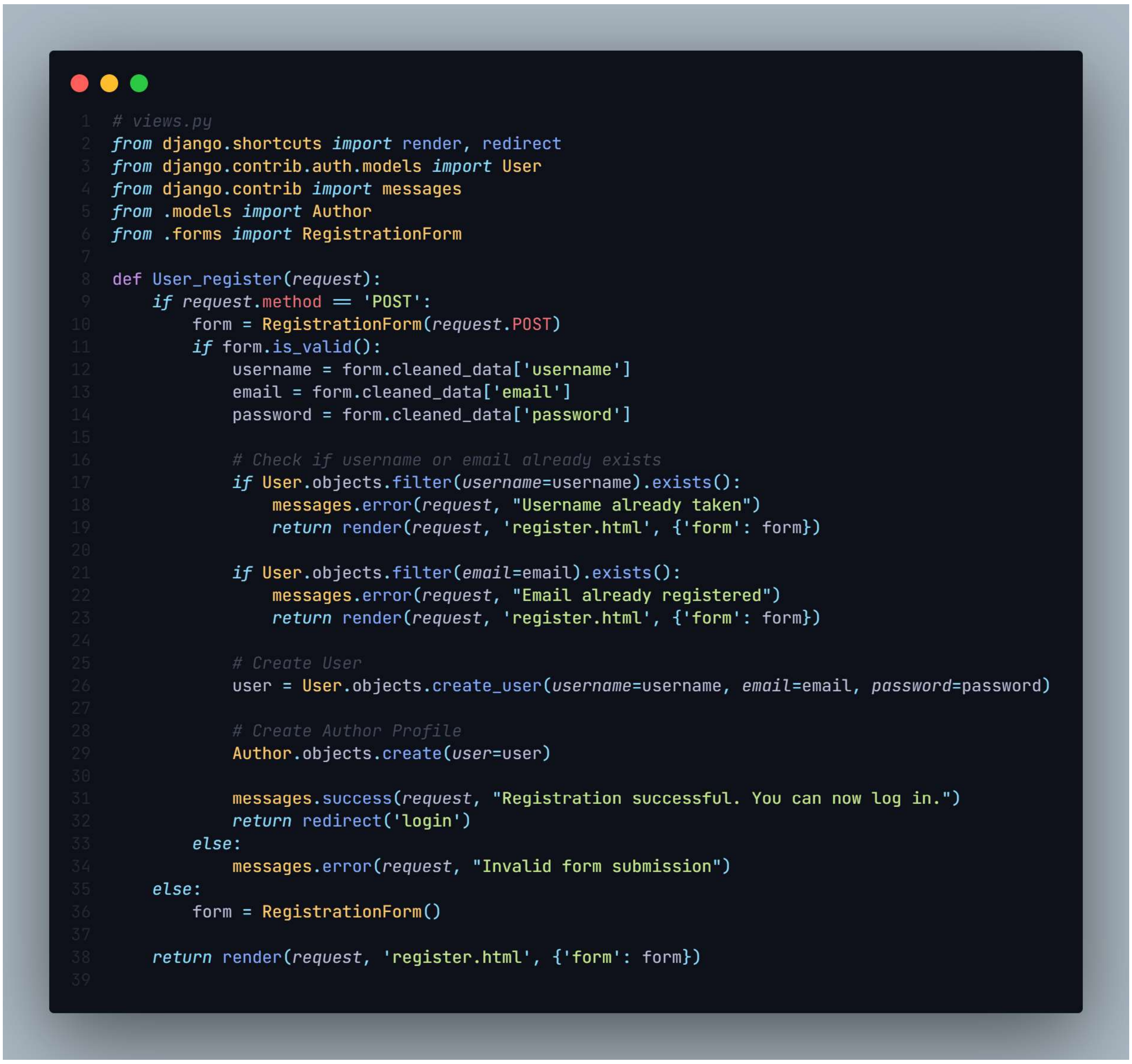
```python
class Author(models.Model):
    user = models.OneToOneField(User, on_delete=models.CASCADE)
    created_at = models.DateTimeField(auto_now_add=True)

    def __str__(self):
        return self.user.username
```

Step 2: Create RegistrationForm Form Class



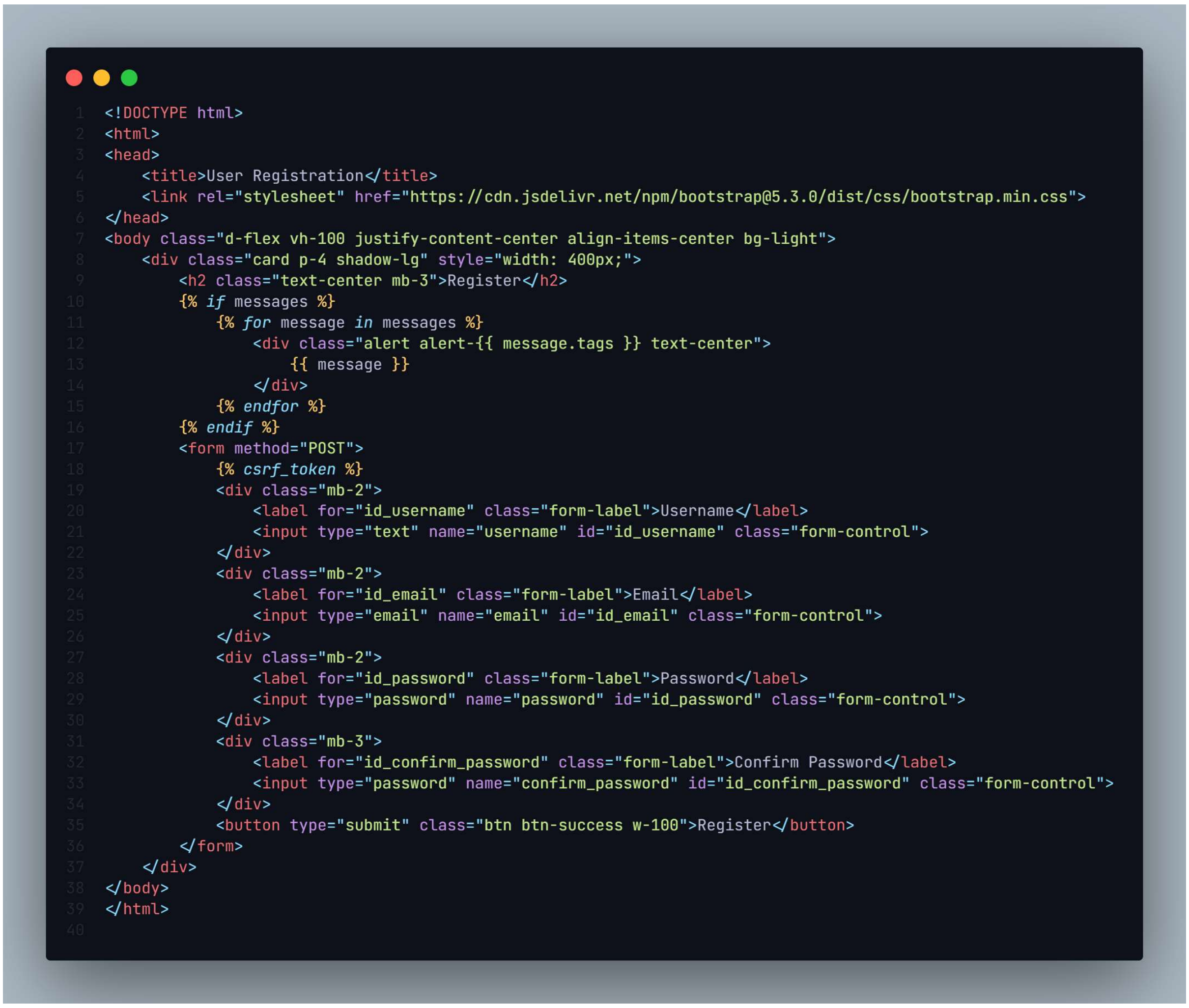
```python
# forms.py
from django import forms
from django.contrib.auth.models import User

class RegistrationForm(forms.Form):
    username = forms.CharField(max_length=150, required=True)
    email = forms.EmailField(required=True)
    password = forms.CharField(widget=forms.PasswordInput, required=True)
    confirm_password = forms.CharField(widget=forms.PasswordInput, required=True)

    def clean(self):
        cleaned_data = super().clean()
        password = cleaned_data.get('password')
        confirm_password = cleaned_data.get('confirm_password')

        if password != confirm_password:
            raise forms.ValidationError("Passwords do not match")

        return cleaned_data
```

Step 3: Create User_register() View Function



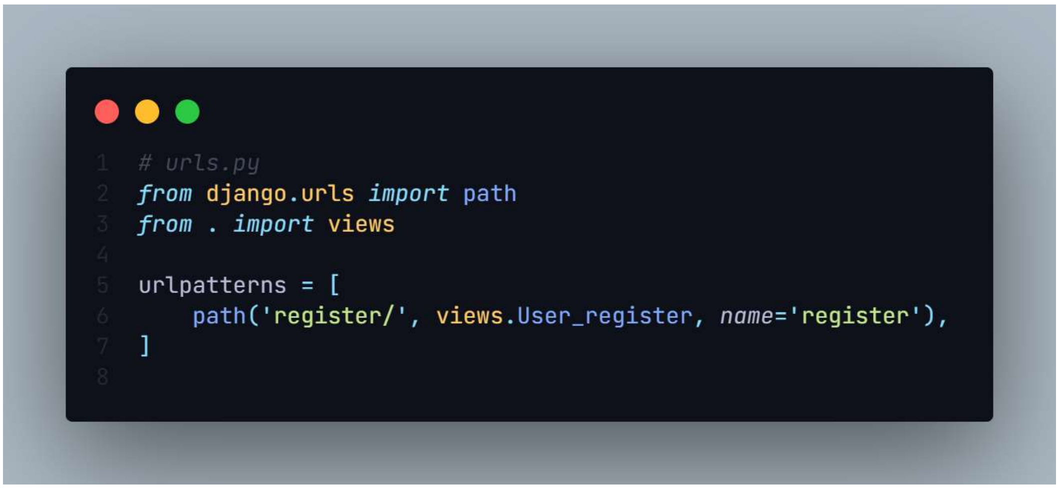
```python
# views.py
from django.shortcuts import render, redirect
from django.contrib.auth.models import User
from django.contrib import messages
from .models import Author
from .forms import RegistrationForm

def User_register(request):
    if request.method == 'POST':
        form = RegistrationForm(request.POST)
        if form.is_valid():
            username = form.cleaned_data['username']
            email = form.cleaned_data['email']
            password = form.cleaned_data['password']

            # Check if username or email already exists
            if User.objects.filter(username=username).exists():
                messages.error(request, "Username already taken")
                return render(request, 'register.html', {'form': form})

            if User.objects.filter(email=email).exists():
                messages.error(request, "Email already registered")
                return render(request, 'register.html', {'form': form})

            # Create User
            user = User.objects.create_user(username=username, email=email, password=password)

            # Create Author Profile
            Author.objects.create(user=user)

            messages.success(request, "Registration successful. You can now log in.")
            return redirect('login')
        else:
            messages.error(request, "Invalid form submission")
    else:
        form = RegistrationForm()

    return render(request, 'register.html', {'form': form})

```

Step 4: Create register.html Template



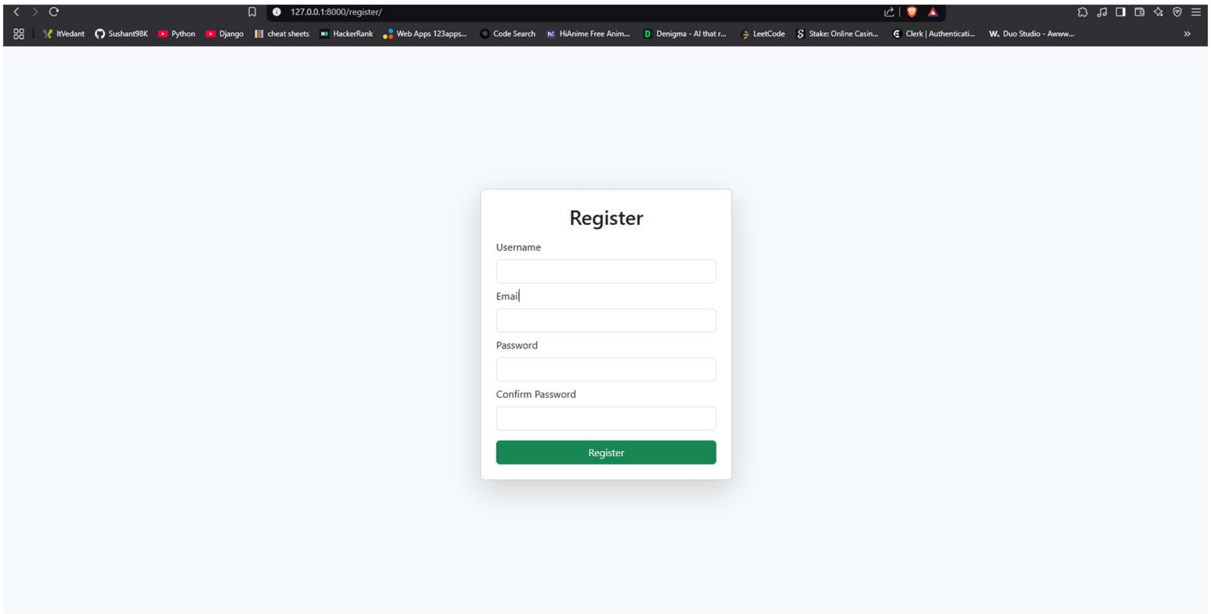
```html
<!DOCTYPE html>
<html>
<head>
    <title>User Registration</title>
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">
</head>
<body class="d-flex vh-100 justify-content-center align-items-center bg-light">
    <div class="card p-4 shadow-lg" style="width: 400px;">
        <h2 class="text-center mb-3">Register</h2>
        {% if messages %}
            {% for message in messages %}
                <div class="alert alert-{{ message.tags }} text-center">
                    {{ message }}
                </div>
            {% endfor %}
        {% endif %}
        <form method="POST">
            {% csrf_token %}
            <div class="mb-2">
                <label for="id_username" class="form-label">Username</label>
                <input type="text" name="username" id="id_username" class="form-control">
            </div>
            <div class="mb-2">
                <label for="id_email" class="form-label">Email</label>
                <input type="email" name="email" id="id_email" class="form-control">
            </div>
            <div class="mb-2">
                <label for="id_password" class="form-label">Password</label>
                <input type="password" name="password" id="id_password" class="form-control">
            </div>
            <div class="mb-3">
                <label for="id_confirm_password" class="form-label">Confirm Password</label>
                <input type="password" name="confirm_password" id="id_confirm_password" class="form-control">
            </div>
            <button type="submit" class="btn btn-success w-100">Register</button>
        </form>
    </div>
</body>
</html>
```

Step 5: Add URL Pattern



```python
# urls.py
from django.urls import path
from . import views

urlpatterns = [
    path('register/', views.User_register, name='register'),
]
```

OUTPUT: -



Register

Username

Email

Password

Confirm Password

Project Link:

https://github.com/Sushant98K/ITVedant/tree/main/Django/02.%20Django%20Model/Blog_Project