

1. Subscription Page

a) URL

In your app's urls.py:

```
from django.urls import path
```

```
from . import views
```

```
urlpatterns = [
```

```
    path('subscribe/', views.subscribe, name='subscribe'),
]
```

b) View

In views.py:

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

```
def subscribe(request):
```

```
    # you could pull plan/pricing info from DB here
```

```
    plans = [
```

```
        {'id': 'basic', 'name': 'Basic Plan', 'price': 499},
```

```
        {'id': 'premium', 'name': 'Premium Plan', 'price': 999},
```

```
    ]
```

```
    return render(request, 'subscribe.html', {'plans': plans})
```

c) Template (templates/subscribe.html)

html

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```
<h1>Choose Your Subscription</h1>
```

```
<ul>
```

```
    {% for plan in plans %}
```

```
        <li>
```

```
            <strong>{{ plan.name }}</strong> — ₹{{ plan.price }}
```

```
        <a href="{% url 'payment' plan.id %}">Select & Pay</a>
    </li>
{% endfor %}
</ul>
```

2. Payment Page with Razorpay

a) Add URL

```
urlpatterns += [
    path('pay/<str:plan_id>/', views.payment, name='payment'),
    path('payment-success/', views.payment_success, name='payment_success'),
]
```

b) Install & configure Razorpay

bash

```
pip install razorpay
```

In your Django settings.py:

```
RAZORPAY_KEY_ID = 'rzp_test_XXXXXXXXXXXXXXXXXXXX'
RAZORPAY_KEY_SECRET = 'XXXXXXXXXXXXXXXXXXXXXXXXXXXX'
```

c) Payment View (views.py)

```
import razorpay

from django.conf import settings
from django.shortcuts import render, redirect
from django.views.decorators.csrf import csrf_exempt
```

```
# reuse the same plan-info
```

```
PLANS = {
    'basic': {'name': 'Basic Plan', 'price': 49900}, # amount in paise
    'premium': {'name': 'Premium Plan', 'price': 99900},
}
```

```
client = razorpay.Client(auth=(settings.RAZORPAY_KEY_ID,  
                               settings.RAZORPAY_KEY_SECRET))
```

```
def payment(request, plan_id):
```

```
    plan = PLANS.get(plan_id)
```

```
    if not plan:
```

```
        return redirect('subscribe')
```

```
    # create Razorpay order
```

```
    DATA = {
```

```
        'amount': plan['price'],
```

```
        'currency': 'INR',
```

```
        'receipt': f'receipt_{plan_id}_{request.user.id}',
```

```
        'payment_capture': '1'
```

```
    }
```

```
    order = client.order.create(data=DATA)
```

```
    context = {
```

```
        'order_id': order['id'],
```

```
        'plan': plan,
```

```
        'razorpay_key_id': settings.RAZORPAY_KEY_ID,
```

```
    }
```

```
    return render(request, 'payment.html', context)
```

```
@csrf_exempt
```

```
def payment_success(request):
```

```
    # Razorpay will post back payment details here
```

```
if request.method == "POST":  
    # You can verify signature here if desired  
    # receipt = request.POST.get('razorpay_order_id')  
    # ...do verification...  
    return redirect('send_subscription_email')  
    return redirect('subscribe')
```

d) Payment Template (templates/payment.html)

```
<h1>Pay for {{ plan.name }}</h1>  
<p>Amount: ₹{{ plan.price|floatformat:-2 }}</p>  
  
<form id="razorpay-form">  
    <script src="https://checkout.razorpay.com/v1/checkout.js"  
        data-key="{{ razorpay_key_id }}"  
        data-amount="{{ plan.price }}"  
        data-currency="INR"  
        data-order_id="{{ order_id }}"  
        data-buttontext="Pay with Razorpay"  
        data-name="My Blog Site"  
        data-description="{{ plan.name }}"  
        data-prefill.name="{{ request.user.username }}"  
        data-prefill.email="{{ request.user.email }}">  
    </script>  
    <input type="hidden" name="csrfmiddlewaretoken"  
        value="{{ csrf_token }}">  
</form>
```

3. Send Automatic Email via Gmail SMTP

a) Configure Gmail in settings.py

```
EMAIL_BACKEND = 'django.core.mail.backends.smtp.EmailBackend'
```

```
EMAIL_HOST = 'smtp.gmail.com'
```

```
EMAIL_USE_TLS = True
```

```
EMAIL_PORT = 587
```

```
EMAIL_HOST_USER = 'yourgmail@gmail.com'
```

```
EMAIL_HOST_PASSWORD = 'your-app-password'
```

```
DEFAULT_FROM_EMAIL = EMAIL_HOST_USER
```

Note: For Gmail you'll need an App Password if 2FA is on.

b) Email-sending View

Add to views.py:

```
from django.core.mail import send_mail
```

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

```
def send_subscription_email(request):
```

```
    user = request.user
```

```
    subject = "Subscription Confirmed!"
```

```
    message = (
```

```
        f"Hi {user.username},\n\n"
```

```
        "Thank you for subscribing to our service.\n"
```

```
        "Enjoy your premium content!\n\n"
```

```
        "- The Blog Team"
```

```
)
```

```
    send_mail(subject, message,
```

```
             None,      # uses DEFAULT_FROM_EMAIL
```

```
             [user.email],
```

```
             fail_silently=False)
```

```
    return render(request, 'subscription_complete.html')
```

c) Confirmation Template (templates/subscription_complete.html)

html

<h1>Subscription Successful!</h1>

<p>An email confirmation has been sent to {{ request.user.email }}.</p>

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