

Perform the following Operations

1. Create a Subscription Page with its corresponding url and view function as shown below.

CODE:

views.py:

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

```
def subscription_page(request):
```

```
    plans = [
```

```
        {
```

```
            "name": "Basic",
```

```
            "price": 99,
```

```
            "features": ["Post 30 blogs/month"],
```

```
            "limitations": [
```

```
                "Turn Readers into Subscribers",
```

```
                "Add Paywalls to Selected Posts",
```

```
                "Setup Payment Schedules",
```

```
            ],
```

```
        },
```

```
        {
```

```
            "name": "Standard",
```

```
            "price": 199,
```

```
            "features": [
```

```
                "Post 100 blogs/month",
```

```
                "Turn Readers into Subscribers",
```

```
            ],
```

```
            "limitations": [
```

```
                "Add Paywalls to Selected Posts",
```

```
                "Setup Payment Schedules",
```

```
            ],
```

```
        },
```

```
    ]
```

```

        "name": "Premium",
        "price": 299,
        "features": [
            "Post unlimited blogs/month",
            "Turn Readers into Subscribers",
            "Add Paywalls to Selected Posts",
            "Setup Payment Schedules",
        ],
        "limitations": [],
    },
]

return render(request, "subscription.html", {"plans": plans})

```

urls.py:

```

from django.urls import path

from . import views

```

```

urlpatterns = [
    path("subscription/", views.subscription_page, name="subscription"),
]

```

subscription.html

```

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Subscription Plans</title>

    <style>

        body {

            font-family: Arial, sans-serif;

            background-color: #e8f5e9;

            margin: 0;

```

```
padding: 0;
}
.navbar {
  background-color: #4caf50;
  padding: 10px;
  color: white;
  text-align: center;
}
.container {
  display: flex;
  justify-content: center;
  gap: 20px;
  padding: 50px;
}
.plan {
  background-color: white;
  border-radius: 10px;
  box-shadow: 0px 4px 6px rgba(0, 0, 0, 0.1);
  padding: 20px;
  width: 250px;
  text-align: center;
}
.plan h2 {
  color: #4caf50;
}
.plan h3 {
  margin: 10px 0;
}
.plan ul {
  list-style-type: none;
  padding: 0;
```

```

    }

    .plan ul li {
        margin: 10px 0;
    }

    .btn {
        background-color: #4caf50;
        color: white;
        padding: 10px 20px;
        text-decoration: none;
        border-radius: 5px;
    }
</style>
</head>
<body>
    <div class="navbar">MyBlog</div>
    <div class="container">
        {% for plan in plans %}
        <div class="plan">
            <h2>{{ plan.name }}</h2>
            <h3>${{ plan.price }} monthly</h3>
            <ul>
                {% for feature in plan.features %}
                <li>✓ {{ feature }}</li>
                {% endfor %}
                {% for limitation in plan.limitations %}
                <li style="color: red;">✗ {{ limitation }}</li>
                {% endfor %}
            </ul>
            <a href="#" class="btn">Select and Pay</a>
        </div>
        {% endfor %}
    </div>

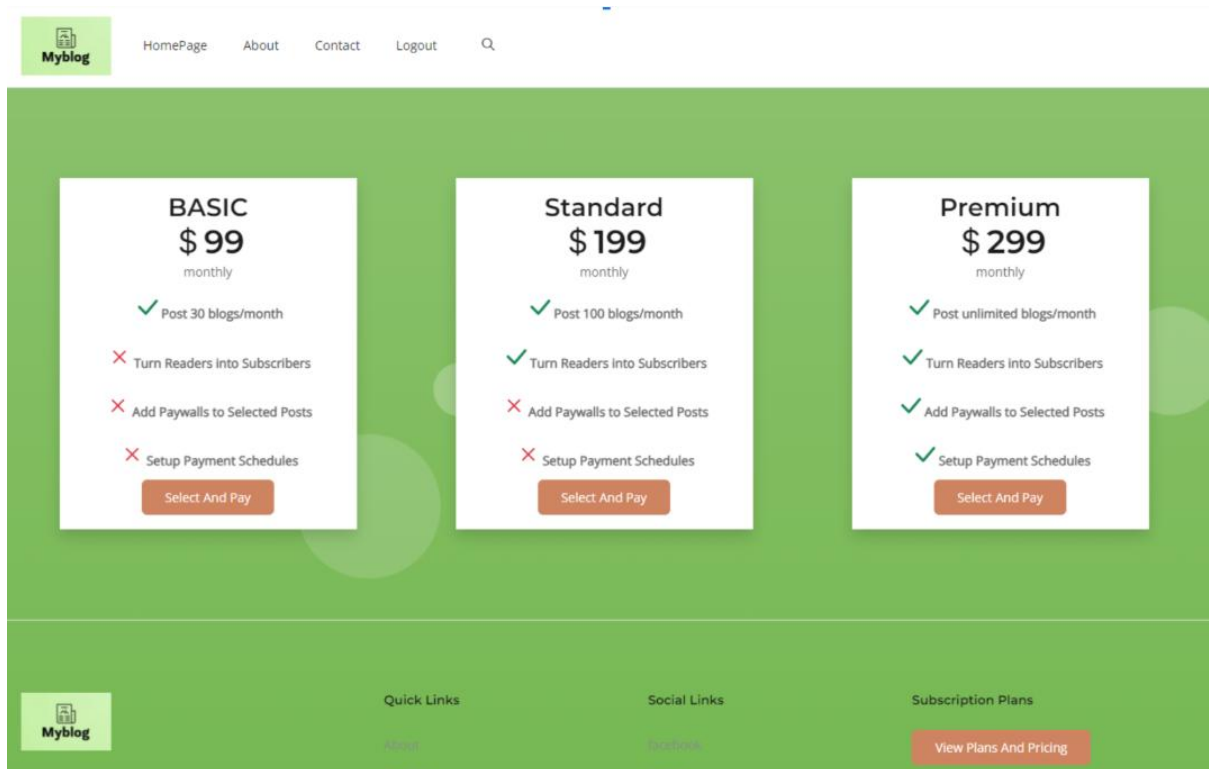
```

</div>

</body>

</html>

OUTPUT:



2. Design Payment Page as shown below which get displayed as user click on select and Pay with Razorpay Integration.

CODE:

```
pip install razorpay
```

```
settings.py
```

```
RAZORPAY_KEY_ID = "rzp_test_BZH0ZQ5JDof0vN"
```

```
RAZORPAY_KEY_SECRET = 'LLXEPFbehFXrmu3LNQBB0QRT'
```

```
views.py:
```

```
import razorpay
```

```

from django.shortcuts import render

from django.conf import settings

def payment_page(request, plan_price):

    # Razorpay client setup

    client = razorpay.Client(auth=(settings. "rzp_test_BZH0ZQ5JDof0vN" , settings.
'LLXEPFbehFXrmu3LNQBBOQRT'))

    # Create an order

    payment_order = client.order.create({

        "amount": plan_price * 100, # Amount in paise

        "currency": "INR",

        "payment_capture": "1"

    })

    context = {

        "amount": plan_price,

        "order_id": payment_order["id"],

        "key_id": settings.RAZORPAY_KEY_ID

    }

    return render(request, "payment.html", context)

urls.py:

from django.urls import path

from . import views

urlpatterns = [

    path("payment/<int:plan_price>/", views.payment_page, name="payment"),

]

payment.html

<!DOCTYPE html>

<html lang="en">

```

```
<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Payment</title>

  <style>

    body {

      font-family: Arial, sans-serif;

      background-color: #e8f5e9;

      margin: 0;

      padding: 0;

    }

    .navbar {

      background-color: #4caf50;

      padding: 10px;

      color: white;

      text-align: center;

    }

    .container {

      display: flex;

      flex-direction: column;

      align-items: center;

      justify-content: center;

      height: 100vh;

    }

    .payment-box {

      background-color: white;

      padding: 20px;

      border-radius: 10px;

      box-shadow: 0px 4px 6px rgba(0, 0, 0, 0.1);

      text-align: center;

    }

  </style>

</head>
```

```

.btn {
    background-color: #ff5722;
    color: white;
    padding: 10px 20px;
    text-decoration: none;
    border-radius: 5px;
    cursor: pointer;
}

</style>

<script src="https://checkout.razorpay.com/v1/checkout.js"></script>
</head>
<body>
    <div class="navbar">MyBlog</div>
    <div class="container">
        <div class="payment-box">
            <h2>Pay ₹{{ amount }}</h2>
            <button id="rzp-button" class="btn">Pay with Razorpay</button>
        </div>
    </div>

    <script>
        const options = {
            key: "{{ key_id }}",
            amount: "{{ amount }}00",
            currency: "INR",
            order_id: "{{ order_id }}",
            handler: function (response) {
                alert("Payment successful! Payment ID: " + response.rzp_test_BZH0ZQ5JDof0vN");
                // Redirect or perform any action here
            },
            prefill: {

```



```

        "name": "Gaurav Kumar",
        "email": "gaurav.kumar@example.com",
        "contact": "9000090000"
    },
    theme: {
        color: "#4caf50"
    }
};

const rzp = new Razorpay(options);

document.getElementById('rzp-button').onclick = function (e) {

    rzp.open();

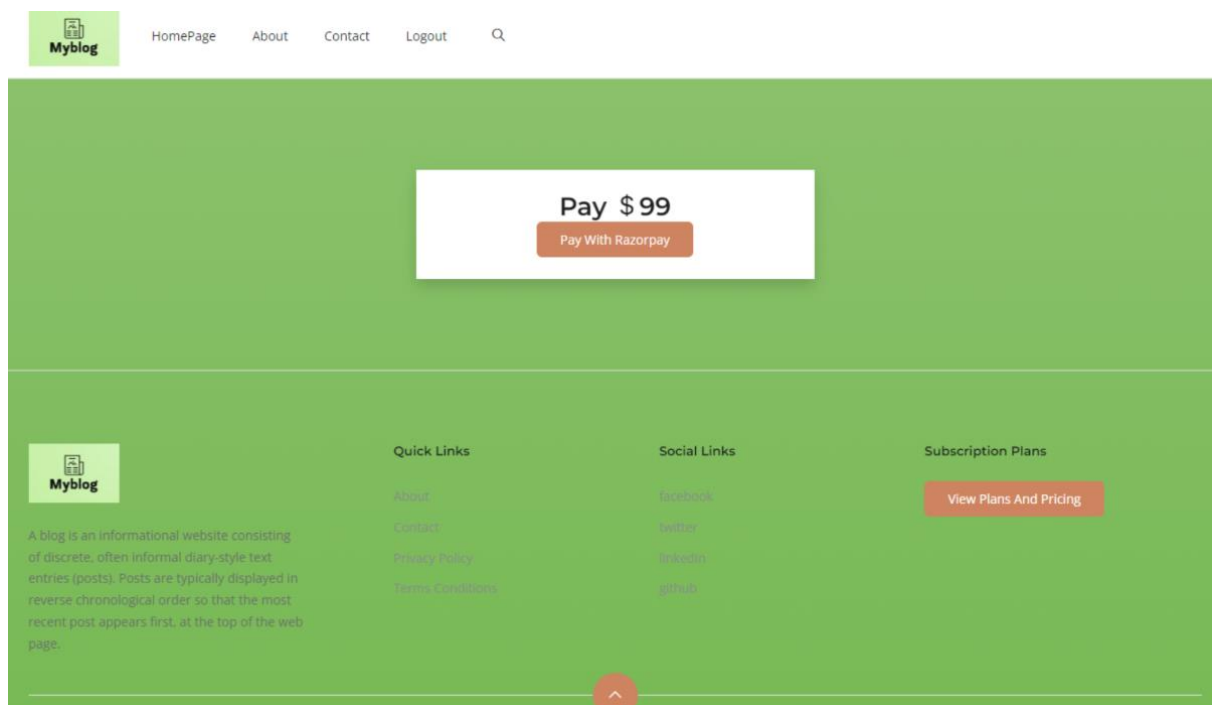
    e.preventDefault();

}

</script>
</body>
</html>

```

OUTPUT:



3. After Payment send automatic email of subscription by Integration Gmail into Django with following page to be displayed after sending email.

CODE:

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 = "pawarharshala9@gmail.com"
EMAIL_HOST_PASSWORD = "eoblbtrenrupviau"
```

views.py:

```
from django.core.mail import send_mail
from django.conf import settings
from django.shortcuts import render
```

```
def subscription_email(request, plan_name, plan_price):
    # Send email to the user
    send_mail(
        subject="Subscription Confirmation",
        message=f"Thank you for subscribing to the {plan_name} plan. You have been charged ₹{plan_price}.",
        from_email=settings.EMAIL_HOST_USER,
        recipient_list=[request.user.email], # Assuming the user is logged in and has an email
        fail_silently=False,
    )

    # Render the success page
    return render(request, "subscription_success.html", {"plan_name": plan_name,
"plan_price": plan_price})
```

urls.py:

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

urlpatterns = [
    path("subscription-success/<str:plan_name>/<int:plan_price>/",
views.subscription_email, name="subscription_email"),
]
```

subscription_success.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
```

```

<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Subscription Success</title>
<style>
  body {
    font-family: Arial, sans-serif;
    background-color: #e8f5e9;
    margin: 0;
    padding: 0;
  }
  .navbar {
    background-color: #4caf50;
    padding: 10px;
    color: white;
    text-align: center;
  }
  .container {
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;
    height: 100vh;
  }
  .success-box {
    background-color: white;
    padding: 20px;
    border-radius: 10px;
    box-shadow: 0px 4px 6px rgba(0, 0, 0, 0.1);
    text-align: center;
  }
  .btn {
    background-color: #4caf50;
    color: white;
    padding: 10px 20px;
    text-decoration: none;
    border-radius: 5px;
  }
</style>
</head>
<body>
  <div class="navbar">MyBlog</div>
  <div class="container">
    <div class="success-box">
      <h2>Thank You!</h2>
      <p>Your subscription to the <strong>{{ plan_name }}</strong> plan has been
successfully processed.</p>
      <p>You have been charged ₹{{ plan_price }}.</p>
      <p>An email confirmation has been sent to your registered email address.</p>
    </div>
  </div>

```

```

        <a href="/" class="btn">Go to Home</a>
    </div>
</div>
</body>
</html>

```

Modify the payment handler in the Razorpay integration script. Update the handler function in the Razorpay JavaScript:

```

handler: function (response) {
    alert("Payment successful! Payment ID: " + response.razorpay_payment_id);

    // Redirect to the email confirmation view
    window.location.href = `/subscription-success/Basic/99/`; // Update plan_name and
plan_price dynamically if needed
}

```

OUTPUT:

