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from flask import Flask,render_template,request,send_file
import qrcode
import io
app=Flask(__name__)

def generate_qr(url):
    qr=qrcode.QRCode(version=1,box_size=10,border=5)
    qr.add_data(url)
    qr.make(fit=True)
    img=qr.make_image(fill_color="black",back_color="white")
    img_io=io.BytesIO()
    img.save(img_io,'PNG')
    img_io.seek(0)
    return img_io

@app.route('/',methods=['GET','POST'])
def home():
    if request.method=='POST':
        url=request.form['url']
        qr_image=generate_qr(url)
        return send_file(qr_image,minetype='image/png')
    return render_template('index1.html')

if __name__=='__main__':
    app.run(debug=True,port=5051)
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<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>QR Code Generator</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      line-height: 1.6;
      color: #333;
      margin: 0;
      padding: 0;
      background-color: #f4f4f4;
    }
    .container {
      max-width: 800px;
      margin: 0 auto;
      padding: 20px;
    }
    nav {
      background-color: #2c3e50;
      color: #fff;
      padding: 10px 0;
      display: flex;
      justify-content: space-between;
      align-items: center;
    }
    .logo {
      display: flex;
      align-items: center;
      margin-left: 20px;
    }
    .logo img {
      height: 40px;
      margin-right: 10px;
    }
    .logo span {
      font-size: 20px;
      font-weight: bold;
    }
    nav ul {
      list-style-type: none;
      padding: 0;
      margin: 0;
      display: flex;
    }
    nav ul li {
      margin-right: 20px;
    }
    nav ul li a {
      color: #fff;
      text-decoration: none;
      cursor: pointer;
    }
    h1, h2 {
      text-align: center;
      color: #2c3e50;
    }
    form {
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        background-color: #fff;
        padding: 20px;
        border-radius: 8px;
        box-shadow: 0 0 10px rgba(0,0,0,0.1);
    }
    input[type="url"] {
        width: 100%;
        padding: 10px;
        margin-bottom: 10px;
        border: 1px solid #ddd;
        border-radius: 4px;
    }
    button {
        display: block;
        width: 100%;
        padding: 10px;
        background-color: #3498db;
        color: #fff;
        border: none;
        border-radius: 4px;
        cursor: pointer;
        font-size: 16px;
    }
    button:hover {
        background-color: #2980b9;
    }
    #result {
        margin-top: 20px;
        text-align: center;
    }
    #qrcode {
        max-width: 100%;
        height: auto;
    }
    #downloadBtn {
        display: none;
        margin-top: 10px;
        background-color: #2ecc71;
    }
    #downloadBtn:hover {
        background-color: #27ae60;
    }
    .section {
        display: none;
    }
    .section.active {
        display: block;
    }
}
</style>
</head>
<body>
<nav>
<div class="logo">

<span>Learn and Build QR Generator</span>
</div>
<ul>
<li><a onclick="showSection('home')">Home</a></li>
<li><a onclick="showSection('about')">About</a></li>
<li><a onclick="showSection('contact')">Contact</a></li>

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</ul>
</nav>

<div class="container">
  <div id="home" class="section active">
    <h1>URL to QR Code Generator</h1>
    <form id="qrForm">
      <input type="url" name="url" id="url" placeholder="Enter URL" required>
      <button type="submit">Generate QR Code</button>
    </form>
    <div id="result"></div>
    <button id="downloadBtn">Download QR Code</button>
  </div>

  <div id="about" class="section">
    <h2>About Us</h2>
    <p>We are a team dedicated to providing simple and effective QR code solutions. Our QR Code Generator allows you to share web links in a visually scannable format.</p>
    <p>Whether you're creating marketing materials, sharing your website, or just having fun with technology, our QR code generator is the perfect tool for you.</p>
  </div>

  <div id="contact" class="section">
    <h2>Contact Us</h2>
    <p>Have questions or feedback? We'd love to hear from you!</p>
    <p>Email: yashasvipandey287@gmail.com</p>
    <p>Phone: +(91) 9784496720</p>
    <p>Address: Mithla Vihar, Jagatpura, Jaipur, Rajasthan 302017</p>
  </div>
</div>

<script>
function showSection(sectionId) {
  document.querySelectorAll('.section').forEach(section => {
    section.classList.remove('active');
  });
  document.getElementById(sectionId).classList.add('active');
}

document.getElementById('qrForm').addEventListener('submit', function(e) {
  e.preventDefault();
  var url = document.getElementById('url').value;
  fetch('/', {
    method: 'POST',
    headers: {
      'Content-Type': 'application/x-www-form-urlencoded',
    },
    body: 'url=' + encodeURIComponent(url)
  })
  .then(response => response.blob())
  .then(blob => {
    var img = document.createElement('img');
    img.id = 'qrcode';
    img.src = URL.createObjectURL(blob);
    var result = document.getElementById('result');
    result.innerHTML = "";
    result.appendChild(img);
    document.getElementById('downloadBtn').style.display = 'block';
  })
  .catch(error => {
    console.error('Error:', error);
  });
});

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});
});

document.getElementById('downloadBtn').addEventListener('click', function() {
    var img = document.getElementById('qrcode');
    if (img) {
        var a = document.createElement('a');
        a.href = img.src;
        a.download = 'qrcode.png';
        document.body.appendChild(a);
        a.click();
        document.body.removeChild(a);
    }
});
</script>
<table id="footer" border="0" width="100%" style = "margin-bottom: 0px;"
    cellpadding="0" cellspacing="0" bgcolor="#2c3e50">
    <tr>
        <td>
            <table border="0" cellpadding="15"
                cellspacing="0" width="90%" align="center">
                <tr>
                    <td width="13%" valign="top">
                        <a href="https://lms.learnandbuild.in/" style="text-decoration:none; color: #fff;">
                            <b>Website</b> □
                        </a>
                    </td>
                </tr>
            </table>
        </td>
    </tr>
</table>
<!--Footer1(end)-->

<!--Footer2(start)-->
<table id="footer" border="0" width="100%"
    cellpadding="0" cellspacing="0" bgcolor="#2c3e50">
    <tr>
        <td>
            <table border="0" cellpadding="15"
                cellspacing="0" width="90%" align="center">
                <tr>
                    <td width="80%" valign="top">
                        <font face="Verdana"
                            color="white" size="5">
                            ©Copyright 2050 by nobody.
                            All rights reserved.
                        </font>
                    </td>
                    <td width="10%">
                        <a>
                        </font>
                    </td>
                </tr>
            </table>
        </td>
    </tr>
</table>

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<!--Footer2(end)-->
</body>
</html>
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