Giao diện:

* Đăng nhập:

A screenshot of a computer

Description automatically generated

* Menu sau khi đăng nhập thành công:

A screenshot of a computer

Description automatically generated

* Trang tìm kiếm sản phẩm:

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

* Trang thêm sản phẩm:

A screenshot of a computer

Description automatically generated

* Thêm sản phẩm thành công:

A screenshot of a phone

Description automatically generated

A screenshot of a computer

Description automatically generated

Mã nguồn:

* App.py:
* from flask import Flask, render\_template, request, redirect, url\_for, flash
* import psycopg2
* app = Flask(\_\_name\_\_)
* app.secret\_key = 'your\_secret\_key'
* def connect\_to\_db(username='postgres', password='123456'):
* try:
* connection = psycopg2.connect(
* dbname="quanly\_quanao",
* user=username,
* password=password,
* host="localhost"
* )
* return connection
* except psycopg2.OperationalError as e:
* return None
* @app.route('/', methods=['GET', 'POST'])
* def login():
* if request.method == 'POST':
* username = request.form['username']
* password = request.form['password']
* connection = connect\_to\_db(username, password)
* if connection:
* flash("Đăng nhập thành công!")
* return redirect(url\_for('menu'))
* else:
* flash("Tên đăng nhập hoặc mật khẩu sai!")
* return render\_template('login.html')
* @app.route('/menu')
* def menu():
* return render\_template('menu.html')
* @app.route('/search\_product', methods=['GET', 'POST'])
* def search\_product():
* products = []
* if request.method == 'POST':
* product\_name = request.form['product\_name']
* connection = connect\_to\_db()
* if connection:
* with connection.cursor() as cursor:
* cursor.execute("SELECT \* FROM products WHERE product\_name ILIKE %s", ('%' + product\_name + '%',))
* products = cursor.fetchall()
* return render\_template('search\_product.html', products=products)
* @app.route('/add\_product', methods=['GET', 'POST'])
* def add\_product():
* if request.method == 'POST':
* product\_name = request.form['product\_name']
* product\_price = request.form['product\_price']
* category\_id = request.form['category\_id']
* connection = connect\_to\_db()
* if connection:
* with connection.cursor() as cursor:
* cursor.execute("INSERT INTO products (product\_name, product\_price, category\_id) VALUES (%s, %s, %s)", (product\_name, product\_price, category\_id))
* connection.commit()
* flash("Thêm sản phẩm thành công!")
* return redirect(url\_for('menu'))
* else:
* flash("Không thể kết nối đến cơ sở dữ liệu!")
* return render\_template('add\_product.html')
* if \_\_name\_\_ == '\_\_main\_\_':
* app.run(debug=True)
* Login.html:
* <!DOCTYPE html>
* <html lang="vi">
* <head>
* <meta charset="UTF-8">
* <title>Đăng Nhập</title>
* <link rel="stylesheet" type="text/css" href="{{ url\_for('static', filename='style.css') }}">
* <link rel="preconnect" href="https://fonts.googleapis.com">
* <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
* <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap" rel="stylesheet">
* </head>
* <body>
* <div class="container">
* <h2>Đăng Nhập Hệ Thống</h2>
* <form method="post">
* <label for="username">Tên đăng nhập:</label>
* <input type="text" id="username" name="username"><br>
* <label for="password">Mật khẩu:</label>
* <input type="password" id="password" name="password"><br>
* <input type="submit" value="Đăng Nhập">
* </form>
* {% with messages = get\_flashed\_messages() %}
* {% if messages %}
* <ul>
* {% for message in messages %}
* <li>{{ message }}</li>
* {% endfor %}
* </ul>
* {% endif %}
* {% endwith %}
* </div>
* </body>
* </html>
* Menu.html:
* <!DOCTYPE html>
* <html lang="vi">
* <head>
* <meta charset="UTF-8">
* <title>Menu Quản Lý</title>
* <link rel="stylesheet" type="text/css" href="{{ url\_for('static', filename='style.css') }}">
* <link rel="preconnect" href="https://fonts.googleapis.com">
* <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
* <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap" rel="stylesheet">
* </head>
* <body>
* <div class="container">
* <h2>CHỨC NĂNG QUẢN LÝ</h2>
* <div class="card">
* <a href="{{ url\_for('search\_product') }}">Tìm kiếm sản phẩm</a>
* </div>
* <div class="card">
* <a href="{{ url\_for('add\_product') }}">Thêm sản phẩm</a>
* </div>
* {% with messages = get\_flashed\_messages() %}
* {% if messages %}
* <ul>
* {% for message in messages %}
* <li>{{ message }}</li>
* {% endfor %}
* </ul>
* {% endif %}
* {% endwith %}
* </div>
* </body>
* </html>
* Search\_product.html:
* <!DOCTYPE html>
* <html lang="vi">
* <head>
* <meta charset="UTF-8">
* <title>Tìm Kiếm Sản Phẩm</title>
* <link rel="stylesheet" type="text/css" href="{{ url\_for('static', filename='style.css') }}">
* <link rel="preconnect" href="https://fonts.googleapis.com">
* <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
* <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap" rel="stylesheet">
* </head>
* <body>
* <div class="container">
* <h2>Tìm Kiếm Sản Phẩm</h2>
* <form method="post">
* <label for="product\_name">Nhập tên sản phẩm:</label>
* <input type="text" id="product\_name" name="product\_name"><br>
* <input type="submit" value="Tìm kiếm">
* </form>
* {% if products %}
* <ul>
* {% for product in products %}
* <li>ID: {{ product[0] }}, Tên: {{ product[1] }}, Giá: {{ product[2] }}, Loại: {{ product[3] }}</li>
* {% endfor %}
* </ul>
* {% endif %}
* </div>
* </body>
* </html>
* Add\_product.html:
* <!DOCTYPE html>
* <html lang="vi">
* <head>
* <meta charset="UTF-8">
* <title>Thêm Sản Phẩm Mới</title>
* <link rel="stylesheet" type="text/css" href="{{ url\_for('static', filename='style.css') }}">
* <link rel="preconnect" href="https://fonts.googleapis.com">
* <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
* <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap" rel="stylesheet">
* </head>
* <body>
* <div class="container">
* <h2>Thêm Sản Phẩm Mới</h2>
* <form method="post">
* <label for="product\_name">Tên sản phẩm:</label>
* <input type="text" id="product\_name" name="product\_name"><br>
* <label for="product\_price">Giá sản phẩm:</label>
* <input type="text" id="product\_price" name="product\_price"><br>
* <label for="category\_id">Mã loại sản phẩm:</label>
* <input type="text" id="category\_id" name="category\_id"><br>
* <input type="submit" value="Thêm sản phẩm">
* </form>
* {% with messages = get\_flashed\_messages() %}
* {% if messages %}
* <ul>
* {% for message in messages %}
* {% if message != "Đăng nhập thành công!" %}
* <li>{{ message }}</li>
* {% endif %}
* {% endfor %}
* </ul>
* {% endif %}
* {% endwith %}
* </div>
* </body>
* </html>
* Style.css:
* body {
* font-family: 'Roboto', sans-serif;
* background-color: #f5f5f5;
* color: #333;
* margin: 0;
* padding: 0;
* }
* .container {
* width: 100%;
* max-width: 600px;
* margin: 50px auto;
* padding: 20px;
* background-color: #fff;
* box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
* border-radius: 10px;
* text-align: center;
* }
* h2 {
* color: #1565c0;
* margin-bottom: 20px;
* }
* form {
* width: 100%;
* margin-top: 20px;
* }
* label {
* display: block;
* text-align: left;
* margin: 10px 0 5px;
* font-weight: bold;
* }
* input[type="text"], input[type="password"], input[type="submit"] {
* width: 100%;
* padding: 10px;
* margin-bottom: 20px;
* border: 1px solid #ccc;
* border-radius: 5px;
* box-sizing: border-box;
* }
* input[type="submit"] {
* background-color: #42a5f5;
* color: #fff;
* border: none;
* cursor: pointer;
* font-size: 16px;
* }
* input[type="submit"]:hover {
* background-color: #1e88e5;
* }
* ul {
* list-style-type: none;
* padding: 0;
* }
* li {
* background-color: #e3f2fd;
* margin: 5px 0;
* padding: 10px;
* border-radius: 5px;
* text-align: left;
* }
* .card {
* background-color: #fff;
* border: 1px solid #ccc;
* border-radius: 10px;
* box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
* margin-bottom: 20px;
* padding: 20px;
* }
* .card a {
* text-decoration: none;
* color: #42a5f5;
* font-weight: bold;
* }
* .card a:hover {
* color: #1e88e5;
* }