**1. File config.py**

**python**

**Sao chépChỉnh sửa**

**db\_configs = {**

**'uk': {**

**'host': 'localhost',**

**'user': 'crawler',**

**'password': '123456',**

**'database': 'crawl\_data\_uk',**

**'table': 'books\_uk'**

**},**

**'tiki': {**

**'host': 'localhost',**

**'user': 'crawler',**

**'password': '123456',**

**'database': 'crawl\_data\_tiki',**

**'table': 'books\_tiki'**

**}**

**}**

**2. File app.py**

**python**

**Sao chépChỉnh sửa**

**from flask import Flask, render\_template, request, redirect, url\_for, flash**

**import mysql.connector**

**from config import db\_configs**

**app = Flask(\_\_name\_\_)**

**app.secret\_key = 'your\_secret\_key\_here' # Dùng cho flash message**

**def connect\_db(db\_key):**

**cfg = db\_configs.get(db\_key)**

**if not cfg:**

**return None, None**

**conn = mysql.connector.connect(**

**host=cfg['host'],**

**user=cfg['user'],**

**password=cfg['password'],**

**database=cfg['database']**

**)**

**return conn, cfg['table']**

**@app.route('/')**

**def home():**

**return render\_template('home.html')**

**@app.route('/books/<db\_key>')**

**def books(db\_key):**

**page = request.args.get('page', 1, type=int)**

**per\_page = 50**

**offset = (page - 1) \* per\_page**

**conn, table = connect\_db(db\_key)**

**if not conn:**

**flash("Database không hợp lệ!", "danger")**

**return redirect(url\_for('home'))**

**cursor = conn.cursor(dictionary=True)**

**# Tìm kiếm theo từ khóa**

**search = request.args.get('search', '')**

**# Đếm tổng số sách phù hợp**

**if search:**

**query\_count = f"SELECT COUNT(\*) as total FROM {table} WHERE title LIKE %s"**

**cursor.execute(query\_count, (f"%{search}%",))**

**else:**

**query\_count = f"SELECT COUNT(\*) as total FROM {table}"**

**cursor.execute(query\_count)**

**total = cursor.fetchone()['total']**

**# Lấy dữ liệu sách với phân trang**

**if search:**

**query = f"SELECT \* FROM {table} WHERE title LIKE %s LIMIT %s OFFSET %s"**

**cursor.execute(query, (f"%{search}%", per\_page, offset))**

**else:**

**query = f"SELECT \* FROM {table} LIMIT %s OFFSET %s"**

**cursor.execute(query, (per\_page, offset))**

**books = cursor.fetchall()**

**cursor.close()**

**conn.close()**

**total\_pages = (total + per\_page - 1) // per\_page**

**return render\_template('books.html', books=books, db\_key=db\_key, page=page,**

**total\_pages=total\_pages, search=search)**

**@app.route('/books/<db\_key>/add', methods=['GET', 'POST'])**

**def add\_book(db\_key):**

**if request.method == 'POST':**

**title = request.form.get('title')**

**price = request.form.get('price')**

**rating = request.form.get('rating')**

**image\_url = request.form.get('image\_url')**

**conn, table = connect\_db(db\_key)**

**if not conn:**

**flash("Database không hợp lệ!", "danger")**

**return redirect(url\_for('home'))**

**cursor = conn.cursor()**

**insert\_sql = f"INSERT INTO {table} (title, price, rating, image\_url) VALUES (%s, %s, %s, %s)"**

**cursor.execute(insert\_sql, (title, price, rating, image\_url))**

**conn.commit()**

**cursor.close()**

**conn.close()**

**flash("Thêm sách thành công!", "success")**

**return redirect(url\_for('books', db\_key=db\_key))**

**return render\_template('add\_edit\_book.html', db\_key=db\_key, book=None, action='Add')**

**@app.route('/books/<db\_key>/edit/<int:book\_id>', methods=['GET', 'POST'])**

**def edit\_book(db\_key, book\_id):**

**conn, table = connect\_db(db\_key)**

**if not conn:**

**flash("Database không hợp lệ!", "danger")**

**return redirect(url\_for('home'))**

**cursor = conn.cursor(dictionary=True)**

**if request.method == 'POST':**

**title = request.form.get('title')**

**price = request.form.get('price')**

**rating = request.form.get('rating')**

**image\_url = request.form.get('image\_url')**

**update\_sql = f"UPDATE {table} SET title=%s, price=%s, rating=%s, image\_url=%s WHERE id=%s"**

**cursor.execute(update\_sql, (title, price, rating, image\_url, book\_id))**

**conn.commit()**

**cursor.close()**

**conn.close()**

**flash("Cập nhật sách thành công!", "success")**

**return redirect(url\_for('books', db\_key=db\_key))**

**# GET: Lấy dữ liệu sách**

**select\_sql = f"SELECT \* FROM {table} WHERE id=%s"**

**cursor.execute(select\_sql, (book\_id,))**

**book = cursor.fetchone()**

**cursor.close()**

**conn.close()**

**if not book:**

**flash("Không tìm thấy sách!", "danger")**

**return redirect(url\_for('books', db\_key=db\_key))**

**return render\_template('add\_edit\_book.html', db\_key=db\_key, book=book, action='Edit')**

**@app.route('/books/<db\_key>/delete/<int:book\_id>', methods=['POST'])**

**def delete\_book(db\_key, book\_id):**

**conn, table = connect\_db(db\_key)**

**if not conn:**

**flash("Database không hợp lệ!", "danger")**

**return redirect(url\_for('home'))**

**cursor = conn.cursor()**

**delete\_sql = f"DELETE FROM {table} WHERE id=%s"**

**cursor.execute(delete\_sql, (book\_id,))**

**conn.commit()**

**cursor.close()**

**conn.close()**

**flash("Xóa sách thành công!", "success")**

**return redirect(url\_for('books', db\_key=db\_key))**

**if \_\_name\_\_ == '\_\_main\_\_':**

**app.run(debug=True)**

**3. Thư mục templates/**

**layout.html**

**html**

**Sao chépChỉnh sửa**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8" />**

**<title>Book Manager</title>**

**<link rel="stylesheet" href="{{ url\_for('static', filename='style.css') }}">**

**</head>**

**<body>**

**<nav>**

**<a href="{{ url\_for('home') }}">Home</a> |**

**<a href="{{ url\_for('books', db\_key='uk') }}">Books UK</a> |**

**<a href="{{ url\_for('books', db\_key='tiki') }}">Books Tiki</a>**

**</nav>**

**<div class="container">**

**{% with messages = get\_flashed\_messages(with\_categories=true) %}**

**{% if messages %}**

**{% for category, message in messages %}**

**<div class="flash {{ category }}">{{ message }}</div>**

**{% endfor %}**

**{% endif %}**

**{% endwith %}**

**{% block content %}{% endblock %}**

**</div>**

**</body>**

**</html>**

**home.html**

**html**

**Sao chépChỉnh sửa**

**{% extends "layout.html" %}**

**{% block content %}**

**<h1>Chào mừng bạn đến với Book Manager</h1>**

**<p>Chọn 1 database để bắt đầu quản lý sách:</p>**

**<ul>**

**<li><a href="{{ url\_for('books', db\_key='uk') }}">Books UK</a></li>**

**<li><a href="{{ url\_for('books', db\_key='tiki') }}">Books Tiki</a></li>**

**</ul>**

**{% endblock %}**

**books.html**

**html**

**Sao chépChỉnh sửa**

**{% extends "layout.html" %}**

**{% block content %}**

**<h2>Sách - {{ db\_key.upper() }}</h2>**

**<form method="get" action="{{ url\_for('books', db\_key=db\_key) }}">**

**<input type="text" name="search" placeholder="Tìm kiếm theo tiêu đề" value="{{ search }}">**

**<button type="submit">Tìm kiếm</button>**

**</form>**

**<a class="btn" href="{{ url\_for('add\_book', db\_key=db\_key) }}">Thêm sách mới</a>**

**<table>**

**<thead>**

**<tr>**

**<th>ID</th>**

**<th>Ảnh</th>**

**<th>Tiêu đề</th>**

**<th>Giá</th>**

**<th>Rating</th>**

**<th>Hành động</th>**

**</tr>**

**</thead>**

**<tbody>**

**{% for book in books %}**

**<tr>**

**<td>{{ book.id }}</td>**

**<td><img src="{{ book.image\_url }}" alt="Book Image" style="max-height:80px;"></td>**

**<td>{{ book.title }}</td>**

**<td>{{ book.price }}</td>**

**<td>{{ book.rating }}</td>**

**<td>**

**<a href="{{ url\_for('edit\_book', db\_key=db\_key, book\_id=book.id) }}">Sửa</a> |**

**<form style="display:inline;" method="post" action="{{ url\_for('delete\_book', db\_key=db\_key, book\_id=book.id) }}" onsubmit="return confirm('Bạn có chắc muốn xóa không?');">**

**<button type="submit" class="link-button">Xóa</button>**

**</form>**

**</td>**

**</tr>**

**{% else %}**

**<tr><td colspan="6">Không tìm thấy sách nào.</td></tr>**

**{% endfor %}**

**</tbody>**

**</table>**

**<div class="pagination">**

**{% if page > 1 %}**

**<a href="{{ url\_for('books', db\_key=db\_key, page=page-1, search=search) }}">« Prev</a>**

**{% endif %}**

**<span>Trang {{ page }} / {{ total\_pages }}</span>**

**{% if page < total\_pages %}**

**<a href="{{ url\_for('books', db\_key=db\_key, page=page+1, search=search) }}">Next »</a>**

**{% endif %}**

**</div>**

**{% endblock %}**

**add\_edit\_book.html**

**html**

**Sao chépChỉnh sửa**

**{% extends "layout.html" %}**

**{% block content %}**

**<h2>{{ action }} sách - {{ db\_key.upper() }}</h2>**

**<form method="post">**

**<label>Tiêu đề:</label><br>**

**<input type="text" name="title" value="{{ book.title if book else '' }}" required><br><br>**

**<label>Giá:</label><br>**

**<input type="text" name="price" value="{{ book.price if book else '' }}"><br><br>**

**<label>Rating:</label><br>**

**<input type="text" name="rating" value="{{ book.rating if book else '' }}"><br><br>**

**<label>Ảnh URL:</label><br>**

**<input type="text" name="image\_url" value="{{ book.image\_url if book else '' }}"><br><br>**

**<button type="submit">{{ action }}</button>**

**<a href="{{ url\_for('books', db\_key=db\_key) }}">Hủy</a>**

**</form>**

**{% endblock %}**

**4. File CSS static/style.css**

**css**

**Sao chépChỉnh sửa**

**body {**

**font-family: Arial, sans-serif;**

**background-color: #f5f5f5;**

**margin: 0; padding: 0;**

**}**

**nav {**

**background-color: #007BFF;**

**padding: 10px;**

**color: white;**

**}**

**nav a {**

**color: white;**

**margin-right: 15px;**

**text-decoration: none;**

**font-weight: bold;**

**}**

**nav a:hover {**

**text-decoration: underline;**

**}**

**.container {**

**max-width: 1000px;**

**margin: 20px auto;**

**background: white;**

**padding: 20px;**

**box-shadow: 0 0 10px #ccc;**

**border-radius: 8px;**

**}**

**h1, h2 {**

**color: #333;**

**}**

**table {**

**width: 100%;**

**border-collapse: collapse;**

**margin-top: 15px;**

**}**

**table, th, td {**

**border: 1px solid #ddd;**

**}**

**th, td {**

**padding: 10px;**

**text-align: left;**

**}**

**th {**

**background-color: #007BFF;**

**color: white;**

**}**

**.btn {**

**display: inline-block;**

**background-color: #28a745;**

**color: white;**

**padding: 8px 15px;**

**text-decoration: none;**

**border-radius: 5px;**

**margin-top: 10px;**

**}**

**.btn:hover {**

**background-color: #218838;**

**}**

**.link-button {**

**background:none;**

**border:none;**

**color:#dc3545;**

**cursor:pointer;**

**padding:0;**

**font-size: 1em;**

**font-family: inherit;**

**text-decoration: underline;**

**}**

**.flash {**

**padding: 10px;**

**margin-bottom: 15px;**

**border-radius: 5px;**

**}**

**.flash.success {**

**background-color: #d4edda;**

**color: #155724;**

**border: 1px solid #c3e6cb;**

**}**

**.flash.danger {**

**background-color: #f8d7da;**

**color: #721c24;**

**border: 1px solid #f5c6cb;**

**}**

**.pagination {**

**margin-top: 20px;**

**text-align: center;**

**}**

**.pagination a {**

**text-decoration: none;**

**margin: 0 10px;**

**color: #007BFF;**

**font-weight: bold;**

**}**

**.pagination span {**

**font-weight: bold;**

**color: #555;**

**}**