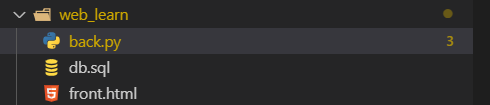
大學專題

1. PLC抓資料
2. Esp8266抓資料

[資料整合架構設計]







<!DOCTYPE html>

<html>

<head>

  <meta charset="UTF-8">

  <title>Flask 全流程範例</title>

</head>

<body>

  <h1>使用者清單</h1>

  <button id="load-btn">載入資料</button>

  <p id="status"></p>

  <ul id="user-list"></ul>

  <script>

    document.getElementById('load-btn').addEventListener('click', () => {

      const status = document.getElementById('status');

      const ul = document.getElementById('user-list');

      fetch('http://127.0.0.1:5000/start\_load')

        .then(response => response.json())

        .then(data => {

          if (data.status === 'loading') {

            status.textContent = '載入中...';

          }

          return fetch('http://127.0.0.1:5000/get\_users');

        })

        .then(response => response.json())

        .then(users => {

          status.textContent = '載入完成 ';

          ul.innerHTML = '';

          users.forEach(user => {

            const li = document.createElement('li');

            li.textContent = `${user.name} - ${user.age}歲`;

            ul.appendChild(li);

          });

        })

        .catch(err => {

          status.textContent = '載入失敗 ';

          console.error(err);

        });

    });

  </script>

</body>

</html>

CREATE DATABASE demo;

USE demo;

CREATE TABLE users (

    id INT AUTO\_INCREMENT PRIMARY KEY,

    name VARCHAR(50),

    age INT

);

INSERT INTO users (name, age) VALUES

('Alice', 25),

('Bob', 30);

from flask import Flask, jsonify

import time

import mysql.connector

from flask\_cors import CORS

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

CORS(app)

db = mysql.connector.connect(

    host="localhost",

    user="root",

    password="我的密碼不讓你知道",

    database="demo"

)

@app.route('/start\_load')

def start\_load():

    return jsonify({"status": "loading"})

@app.route('/get\_users')

def get\_users():

    cursor = db.cursor(dictionary=True)

    cursor.execute("SELECT \* FROM users")

    result = cursor.fetchall()

    return jsonify(result)

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

    app.run(debug=True)