NodeJS

Лабораторна робота №2

Express, HBS. Проект “WeatherApp”

Лістинг програми(app.js):

const express = require("express");

const path = require("path");

const hbs = require("hbs");

const fetch = require("node-fetch");

let app = express();

app.set("view engine", "hbs");

app.set("views", path.join(\_\_dirname, "views"));

hbs.registerPartials(path.join(\_\_dirname, "views/partials"));

app.get('/', (req, res) => {

res.render("index");

});

app.get('/weather/:city', async (req, res) => {

let city = req.params.city;

if (!city) {

city = req.query.city;

}

if (!city) {

res.status(400).render("400");

return;

}

let key = "b5018676b6c9e7d01aa7056fd2b9186d";

let url = `https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=${key}&units=metric`;

try {

let response = await fetch(url);

let weather = await response.json();

if (weather.cod !== 200) {

res.status(404).render("404", { message: weather.message });

return;

}

res.render('weather', { city, weather });

} catch (error) {

res.status(500).render("500", { message: error.message });

}

});

app.get('/login', (req, res) => {

res.send("This is a login page");

});

app.get('/weather', (req, res) => {

const weather = {

description: "Clear sky"

};

res.render("weather", { weather });

});

app.listen(3000, () => {

console.log("Example app listening on port 3000");

});

Лістинг програми(demo.json):

{"coord":{"lon":28.6767,"lat":50.2649},"weather":[{"id":500,"main":"Rain","description":"light rain","icon":"10d"}],"base":"stations","main":{"temp":294.46,"feels\_like":294.6,"temp\_min":294.46,"temp\_max":294.46,"pressure":1012,"humidity":75,"sea\_level":1012,"grnd\_level":986},"visibility":10000,"wind":{"speed":4.87,"deg":295,"gust":5.97},"rain":{"1h":0.44},"clouds":{"all":22},"dt":1718612623,"sys":{"country":"UA","sunrise":1718589251,"sunset":1718648304},"timezone":10800,"id":686967,"name":"Zhytomyr","cod":200}

Лістинг програми(index.hbs):

<!doctype html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Weather App Home</title>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">

</head>

<body>

<div class="container mt-5">

<h1>Welcome to Weather App</h1>

<p>Click below to check the weather:</p>

<a href="/weather/Kyiv" class="btn btn-primary">Check Weather</a>

</div>

</body>

</html>

Лістинг програми(weather.hbs):

<!doctype html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Weather page</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

</head>

<body>

<header>

{{> header}}

</header>

<main>

<section id="weather">

<div class="container">

<div class="row">

<div class="col-12 col-md-6 col-lg-3">

<div class="list-group">

<a class="list-group-item" href="/weather/Kyiv">Kyiv</a>

<a class="list-group-item" href="/weather/Zhytomyr">Zhytomyr</a>

<a class="list-group-item" href="/weather/Vinnytsia">Vinnytsia</a>

</div>

</div>

<div class="col-12 col-md-6 col-lg-9">

<h1>Weather in the city {{city}}</h1>

<img src="https://openweathermap.org/img/wn/{{weather.weather.[0].icon}}@2x.png" alt="icon">

<p>Temperature: {{weather.main.temp}} °C</p>

<p>Feels Like: {{weather.main.feels\_like}} °C</p>

<p>Description: {{weather.weather.[0].description}}</p>

</div>

</div>

</div>

</section>

</main>

<footer>

{{> footer}}

</footer>

</body>

</html>

Результат виконання програми:





