**Лабораторна робота**

**З дисципліни:**

**Програмування WEB додатків**

**На тему:** Fetch

Виконав:

Студент 3 курсу

Групи ПЗС-2044

Бойко Денис

**Лабораторна робота**

**Тема:** Fetch

**Мета:** Навчитись використувати Fetch.

**Лістинг програми:**

Файл app.js:

const http = require("http");

const fs = require("fs");

const { Client } = require('pg')

const client = new Client({

user: 'postgres',

host: 'localhost',

database: 'mob\_phone',

password: '1234566',

port: 5432,

})

client.connect(function (err) {

if (err) throw err;

console.log("Connected!");

});

http.createServer(function (request, response) {

if (request.url.split('?')[0] === "/addscreen" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const id\_screen = +params[0].split('=')[1];

const name\_screen = +params[1].split('=')[1];

let query = "INSERT INTO screen (id\_screen , name\_screen) VALUES ("+id\_screen+','+name\_screen+")";

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

if (request.url.split('?')[0] === "/delscreen" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const table\_name = +params[0].split('=')[1];

let query = "DELETE FROM screen WHERE id\_screen ="+table\_name;

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

if (request.url.split('?')[0] === "/addcpu" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const id\_cpu = +params[0].split('=')[1];

const name\_cpu = +params[1].split('=')[1];

let query = "INSERT INTO cpu (id\_cpu , name\_cpu) VALUES ("+id\_cpu+','+name\_cpu+")";

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

if (request.url.split('?')[0] === "/delcpu" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const table\_name = +params[0].split('=')[1];

let query = "DELETE FROM cpu WHERE id\_cpu ="+table\_name;

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

if (request.url.split('?')[0] === "/addbrend" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const id\_brend = +params[0].split('=')[1];

const name\_brend = +params[1].split('=')[1];

let query = "INSERT INTO brend (id\_brend , name\_brend) VALUES ("+id\_brend+','+name\_brend+")";

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

if (request.url.split('?')[0] === "/delbrend" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const table\_name = +params[0].split('=')[1];

let query = "DELETE FROM brend WHERE id\_brend ="+table\_name;

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

if (request.url.split('?')[0] === "/addsklad" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const id\_poz = +params[0].split('=')[1];

const id\_teleph = +params[1].split('=')[1];

const k\_st = +params[2].split('=')[1];

let query = "INSERT INTO sklad (id\_poz , id\_teleph,k\_st) VALUES ("+id\_poz+','+id\_teleph+','+k\_st+")";

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

if (request.url.split('?')[0] === "/desklad" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const table\_name = +params[0].split('=')[1];

let query = "DELETE FROM sklad WHERE id\_poz ="+table\_name;

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

if (request.url.split('?')[0] === "/addoperation" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const id\_operation = +params[0].split('=')[1];

const id\_client = +params[1].split('=')[1];

const id\_teleph = +params[2].split('=')[1];

let query = "INSERT INTO operation (id\_operation , id\_client,id\_teleph) VALUES ("+id\_operation+','+id\_client+','+id\_teleph+")";

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

if (request.url.split('?')[0] === "/deloperation" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const table\_name = +params[0].split('=')[1];

let query = "DELETE FROM operation WHERE id\_operation ="+table\_name;

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

if (request.url.split('?')[0] === "/addclient" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const id\_client = +params[0].split('=')[1];

const PIB\_client = +params[1].split('=')[1];

const teleph = +params[2].split('=')[1];

let query = "INSERT INTO client (id\_client , pib\_client,teleph) VALUES ("+id\_client+','+PIB\_client+','+teleph+")";

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

if (request.url.split('?')[0] === "/delclient" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const table\_name = +params[0].split('=')[1];

let query = "DELETE FROM client WHERE id\_client ="+table\_name;

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

if (request.url.split('?')[0] === "/addteleph" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const id\_teleph = +params[0].split('=')[1];

const model\_teleph = +params[1].split('=')[1];

const id\_brend = +params[2].split('=')[1];

const id\_cpu = +params[3].split('=')[1];

const id\_screen = +params[4].split('=')[1];

let query = "INSERT INTO teleph (id\_teleph , model\_teleph,id\_brend,id\_cpu,id\_screen) VALUES ("+id\_teleph+','+model\_teleph+','+id\_brend+','+id\_cpu+','+id\_screen+")";

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

if (request.url.split('?')[0] === "/delteleph" && request.method === "GET") {

try {

const params = request.url.split('?')[1].split('&')

const table\_name = +params[0].split('=')[1];

let query = "DELETE FROM teleph WHERE id\_teleph ="+table\_name;

client.query(query);

response.writeHead(200, { "Content-Type": "application/json" });

} catch (error) {

response.writeHead(404, { "Content-Type": "application/json" });

response.end(JSON.stringify({ message: error }));

}

}

else if (request.url === "/brend" && request.method === "GET") {

response.writeHead(200, { "Content-Type": "application/json" });

let query = `

SELECT \*

FROM brend

`;

let mas = [];

client.query(query, (err, res) => {

if (err) {

console.error(err);

return;

}

let row

for (row of res.rows) {

mas.push(row);

}

response.end(JSON.stringify(mas));

response.end();

});

}

else if (request.url === "/screen" && request.method === "GET") {

response.writeHead(200, { "Content-Type": "application/json" });

let query = `

SELECT \*

FROM screen

`;

let mas = [];

client.query(query, (err, res) => {

if (err) {

console.error(err);

return;

}

let row

for (row of res.rows) {

mas.push(row);

}

response.end(JSON.stringify(mas));

response.end();

});

}

else if (request.url === "/cpu" && request.method === "GET") {

response.writeHead(200, { "Content-Type": "application/json" });

let query = `

SELECT \*

FROM cpu

`;

let mas = [];

client.query(query, (err, res) => {

if (err) {

console.error(err);

return;

}

let row

for (row of res.rows) {

mas.push(row);

}

response.end(JSON.stringify(mas));

response.end();

});

}

else if (request.url === "/sklad" && request.method === "GET") {

response.writeHead(200, { "Content-Type": "application/json" });

let query = `

SELECT \*

FROM skald

`;

let mas = [];

client.query(query, (err, res) => {

if (err) {

console.error(err);

return;

}

let row

for (row of res.rows) {

mas.push(row);

}

response.end(JSON.stringify(mas));

response.end();

});

}

else if (request.url === "/teleph" && request.method === "GET") {

response.writeHead(200, { "Content-Type": "application/json" });

let query = `

SELECT \*

FROM teleph

`;

let mas = [];

client.query(query, (err, res) => {

if (err) {

console.error(err);

return;

}

let row

for (row of res.rows) {

mas.push(row);

}

response.end(JSON.stringify(mas));

response.end();

});

}

else if (request.url === "/client" && request.method === "GET") {

response.writeHead(200, { "Content-Type": "application/json" });

let query = `

SELECT \*

FROM client

`;

let mas = [];

client.query(query, (err, res) => {

if (err) {

console.error(err);

return;

}

let row

for (row of res.rows) {

mas.push(row);

}

response.end(JSON.stringify(mas));

response.end();

});

}

else if (request.url === "/teleph\_view" && request.method === "GET") {

response.writeHead(200, { "Content-Type": "application/json" });

let query = `

SELECT \*

FROM teleph\_view

`;

let mas = [];

client.query(query, (err, res) => {

if (err) {

console.error(err);

return;

}

let row

for (row of res.rows) {

mas.push(row);

}

response.end(JSON.stringify(mas));

response.end();

});

}

else if (request.url === "/operation" && request.method === "GET") {

response.writeHead(200, { "Content-Type": "application/json" });

let query = `

SELECT \*

FROM operation

`;

let mas = [];

client.query(query, (err, res) => {

if (err) {

console.error(err);

return;

}

let row

for (row of res.rows) {

mas.push(row);

}

response.end(JSON.stringify(mas));

response.end();

});

}

if (request.url === "/" && request.method === "GET") {

const filePath = "index.html";

fs.access(filePath, fs.constants.R\_OK, err => {

if (err) {

response.statusCode = 404;

response.end("Resourse not found!");

}

else {

fs.createReadStream(filePath).pipe(response);

}

});

}

}).listen(8081);

console.log('Server running at http://127.0.0.1:8081/');

Файл index.html:

<html>

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh" crossorigin="anonymous">

<title>lab js</title>

<nav class="navbar navbar-expand-lg navbar-light bg-light">

<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarTogglerDemo01" aria-controls="navbarTogglerDemo01" aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarTogglerDemo01">

<ul class="navbar-nav mr-auto mt-2 mt-lg-0">

<li class="nav-item">

<a class="nav-link" onClick="GetBrend()">Brend</a>

</li>

<li class="nav-item">

<a class="nav-link" onClick="GetClient()">Client</a>

</li>

<li class="nav-item">

<a class="nav-link" onClick="GetCpu()">Cpu</a>

</li>

<li class="nav-item">

<a class="nav-link" onClick="GetTeleph()">Teleph</a>

</li>

<li class="nav-item">

<a class="nav-link" onClick="GetScreen()">Screen</a>

</li>

<li class="nav-item">

<a class="nav-link" onClick="GetSklad()">Sklad</a>

</li>

<li class="nav-item">

<a class="nav-link" onClick="GetOperation()">Operation</a>

</li>

<li class="nav-item">

<a class="nav-link" onClick="GetTeleph\_view()">Teleph\_view</a>

</li>

</ul>

<form class="form-inline my-2 my-lg-0">

<input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search" id="Search">

<button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>

</form>

</div>

</nav>

</head>

<body>

<table id="table" class="table table-dark">

<thead>

</table>

<div>

<form>

<div id="brend">

<input type="text" id="brenddel">

<input button class="btn btn-primary" type="button" id="btn" value="Видалити запис" onClick="delbrend()"/> <br/><br/></br>

<input type="text" id="id\_brend"><label for="uname">id\_brend: </label> </br>

<input type="text" id="name\_brend"><label for="uname">name\_brend: </label></br>

<input button class="btn btn-primary" type="button" id="btn" value="додати запис" onClick="addbrend"/> <br/><br/>

</div>

<div id="client">

<input type="text" id="clientdel">

<input button class="btn btn-primary" type="button" id="btn" value="Видалити запис" onClick="delclient()"/> <br/><br/></br>

<input type="text" id="id\_client"> <label for="uname">id\_client: </label></br>

<input type="text" id="PIB\_client"> <label for="uname">PIB\_client: </label> </br>

<input type="text" id="teleph"><label for="uname">teleph: </label></br>

<input button class="btn btn-primary" type="button" id="btn" value="додати запис" onClick="addclient()"/> <br/><br/></br>

</div>

<div id="cpu">

<input type="text" id="cpudel">

<input button class="btn btn-primary" type="button" id="btn" value="Видалити запис" onClick="delcpu()"/> <br/><br/></br>

<input type="text" id="id\_cpu"> <label for="uname">id\_cpu: </label></br>

<input type="text" id="name\_cpu"> <label for="uname">name\_cpu: </label> </br>

<input button class="btn btn-primary" type="button" id="btn" value="додати запис" onClick="addcpu()"/> <br/><br/></br>

</div>

<div id="screen">

<input type="text" id="screendel">

<input button class="btn btn-primary" type="button" id="btn" value="Видалити запис" onClick="delscreen()"/> <br/><br/></br>

<input type="text" id="id\_screen"> <label for="uname">id\_screen: </label></br>

<input type="text" id="name\_screen"> <label for="uname">name\_screen: </label> </br>

<input button class="btn btn-primary" type="button" id="btn" value="додати запис" onClick="addscreen()"/> <br/><br/></br>

</div>

<div id="sklad">

<input type="text" id="skladdel">

<input button class="btn btn-primary" type="button" id="btn" value="Видалити запис" onClick="delsklad()"/> <br/><br/></br>

<input type="text" id="id\_poz"><label for="uname">id\_poz: </label> </br>

<input type="text" id="id\_telph"> <label for="uname">id\_telph: </label> </br>

<input type="text" id="k\_st"><label for="uname">k\_st: </label> </br>

<input button class="btn btn-primary" type="button" id="btn" value="додати запис" onClick="addsklad()"/> <br/><br/></br>

</div>

<div id="telep">

<input type="text" id="telephdel">

<input button class="btn btn-primary" type="button" id="btn" value="Видалити запис" onClick="delteleph()"/> <br/><br/></br>

<input type="text" id="id\_teleph"> <label for="uname">id\_teleph: </label> </br>

<input type="text" id="model\_teleph"> <label for="uname">model\_teleph: </label></br>

<input type="text" id="id\_brend"><label for="uname">id\_brend: </label> </br>

<input type="text" id="id\_cpu"><label for="uname">id\_cpu: </label> </br>

<input type="text" id="id\_screen"><label for="uname">id\_screen: </label> </br>

<input button class="btn btn-primary" type="button" id="btn" value="додати запис" onClick="addteleph()"/> <br/><br/></br>

</div>

<div id="operation">

<input type="text" id="operationdel">

<input button class="btn btn-primary" type="button" id="btn" value="Видалити запис" onClick="deloperation()"/> <br/><br/></br>

<input type="text" id="id\_operation"> <label for="uname">id\_operation: </label> </br>

<input type="text" id="id\_client"> <label for="uname">id\_client: </label></br>

<input type="text" id="id\_teleph"><label for="uname">id\_teleph: </label> </br>

<input button class="btn btn-primary" type="button" id="btn" value="додати запис" onClick="addoperation()"/> <br/><br/></br>

</div>

<div id="view\_search">

<input type="text" id="view\_search"><label for="uname">view\_search: </label> </br>

<input button class="btn btn-primary" type="button" id="btn" value="Пошук" onClick="view\_search()"/> <br/><br/></br>

</div>

</form>

<script>

"use strict";

document.getElementById("brend").style.display = "none";

document.getElementById("client").style.display = "none";

document.getElementById("cpu").style.display = "none";

document.getElementById("sklad").style.display = "none";

document.getElementById("screen").style.display = "none";

document.getElementById("telep").style.display = "none";

document.getElementById("operation").style.display = "none";

document.getElementById("view\_search").style.display = "none";

function GetBrend(){

document.getElementById("brend").style.display = "block";

document.getElementById("client").style.display = "none";

document.getElementById("cpu").style.display = "none";

document.getElementById("sklad").style.display = "none";

document.getElementById("telep").style.display = "none";

document.getElementById("screen").style.display = "none";

document.getElementById("operation").style.display = "none";

document.getElementById("view\_search").style.display = "none";

fetch('http://127.0.0.1:8081/brend')

.then((response) => {

return response.json();

})

.then((data) => {

let itemList = data;

let items\_table = document.getElementById('table');

console.log(itemList);

items\_table.innerHTML = '<th scope="col">Код</th> <th scope="col">Назва Бренду</th>';

for(let i = 0; i < itemList.length; i++)

{

items\_table.innerHTML+= '<tr><td>' + itemList[i].id\_brend + '</td><td>' + itemList[i].name\_brend+'</td></tr>';

}

});

}

function GetClient(){

document.getElementById("brend").style.display = "none";

document.getElementById("client").style.display = "block";

document.getElementById("cpu").style.display = "none";

document.getElementById("sklad").style.display = "none";

document.getElementById("telep").style.display = "none";

document.getElementById("screen").style.display = "none";

document.getElementById("operation").style.display = "none";

document.getElementById("view\_search").style.display = "none";

fetch('http://127.0.0.1:8081/client')

.then((response) => {

return response.json();

})

.then((data) => {

let itemList = data;

let items\_table = document.getElementById('table');

items\_table.innerHTML = '<th scope="col">Код</th> <th scope="col">ПІБ клієнта</th> <th scope="col">Телефон</th>';

for(let i = 0; i < itemList.length; i++)

{

items\_table.innerHTML+=

'<tr><td>' + itemList[i].id\_client

+ '</td><td>' + itemList[i].PIB\_client

+ '</td><td>'+ itemList[i].teleph +'</tr>';

}

});

}

function GetCpu(){

document.getElementById("brend").style.display = "none";

document.getElementById("client").style.display = "none";

document.getElementById("cpu").style.display = "block";

document.getElementById("sklad").style.display = "none";

document.getElementById("telep").style.display = "none";

document.getElementById("screen").style.display = "none";

document.getElementById("operation").style.display = "none";

document.getElementById("view\_search").style.display = "none";

fetch('http://127.0.0.1:8081/cpu')

.then((response) => {

return response.json();

})

.then((data) => {

let itemList = data;

let items\_table = document.getElementById('table');

items\_table.innerHTML = '<th scope="col">Код</th> <th scope="col">Назва процесору</th>';

for(let i = 0; i < itemList.length; i++)

{

items\_table.innerHTML+=

'<tr><td>' + itemList[i].id\_cpu

+'</td><td>'+itemList[i].name\_cpu+'</td></tr>';

}

});

}

function GetSklad(){

document.getElementById("brend").style.display = "none";

document.getElementById("client").style.display = "none";

document.getElementById("cpu").style.display = "none";

document.getElementById("sklad").style.display = "block";

document.getElementById("telep").style.display = "none";

document.getElementById("screen").style.display = "none";

document.getElementById("operation").style.display = "none";

document.getElementById("view\_search").style.display = "none";

fetch('http://127.0.0.1:8081/sklad')

.then((response) => {

return response.json();

})

.then((data) => {

let itemList = data;

let items\_table = document.getElementById('table');

items\_table.innerHTML = '<th scope="col">Код</th> <th scope="col">Код телефону</th> <th scope="col">К-сть на складі</th>';

for(let i = 0; i < itemList.length; i++)

{

items\_table.innerHTML+= '<tr><td>' + itemList[i].id\_poz + '</td><td>' + itemList[i].id\_teleph + '</td><td>' + itemList[i].k\_st + '</td></tr>';

}

});

}

function GetTeleph(){

document.getElementById("brend").style.display = "none";

document.getElementById("client").style.display = "none";

document.getElementById("cpu").style.display = "none";

document.getElementById("sklad").style.display = "none";

document.getElementById("telep").style.display = "block";

document.getElementById("screen").style.display = "none";

document.getElementById("operation").style.display = "none";

document.getElementById("view\_search").style.display = "none";

fetch('http://127.0.0.1:8081/teleph')

.then((response) => {

return response.json();

})

.then((data) => {

let itemList = data;

let items\_table = document.getElementById('table');

items\_table.innerHTML = '<th scope="col">Код</th> <th scope="col">Назва моделі</th> <th scope="col">код бренду</th> <th scope="col">код процесору</th><th scope="col">код типу екрану</th>';

for(let i = 0; i < itemList.length; i++)

{

items\_table.innerHTML+= '<tr><td>' + itemList[i].id\_teleph + '</td><td>' + itemList[i].model\_teleph + '</td><td>' + itemList[i].id\_brend + '</td><td>' + itemList[i].id\_cpu + '</td><td>' + itemList[i].id\_screen + '</td></tr>';

}

});

}

function GetOperation(){

document.getElementById("brend").style.display = "none";

document.getElementById("client").style.display = "none";

document.getElementById("cpu").style.display = "none";

document.getElementById("sklad").style.display = "none";

document.getElementById("telep").style.display = "none";

document.getElementById("screen").style.display = "none";

document.getElementById("operation").style.display = "block";

document.getElementById("view\_search").style.display = "none";

fetch('http://127.0.0.1:8081/operation')

.then((response) => {

return response.json();

})

.then((data) => {

let itemList = data;

let items\_table = document.getElementById('table');

items\_table.innerHTML = '<th scope="col">Код</th> <th scope="col">Клієнт</th> <th scope="col">Телефон</th>';

for(let i = 0; i < itemList.length; i++)

{

items\_table.innerHTML+= '<tr><td>' + itemList[i].id\_operation + '</td><td>' + itemList[i].id\_client+ '</td><td>' + itemList[i].id\_teleph + '</td></tr>';

}

});

}

function GetScreen(){

document.getElementById("brend").style.display = "none";

document.getElementById("client").style.display = "none";

document.getElementById("cpu").style.display = "none";

document.getElementById("sklad").style.display = "none";

document.getElementById("telep").style.display = "none";

document.getElementById("screen").style.display = "none";

document.getElementById("operation").style.display = "none";

document.getElementById("view\_search").style.display = "none";

fetch('http://127.0.0.1:8081/screen')

.then((response) => {

return response.json();

})

.then((data) => {

let itemList = data;

let items\_table = document.getElementById('table');

items\_table.innerHTML = '<th scope="col">Код</th> <th scope="col">Тип екрану</th>';

for(let i = 0; i < itemList.length; i++)

{

items\_table.innerHTML+= '<tr><td>' + itemList[i].id\_screen + '</td><td>' + itemList[i].name\_screen+ '</td></tr>';

}

});

}

function GetTeleph\_view(){

document.getElementById("brend").style.display = "none";

document.getElementById("client").style.display = "none";

document.getElementById("cpu").style.display = "none";

document.getElementById("sklad").style.display = "none";

document.getElementById("telep").style.display = "none";

document.getElementById("screen").style.display = "none";

document.getElementById("operation").style.display = "none";

document.getElementById("view\_search").style.display = "block";

fetch('http://127.0.0.1:8081/teleph\_view')

.then((response) => {

return response.json();

})

.then((data) => {

let itemList = data;

let items\_table = document.getElementById('table');

items\_table.innerHTML = '<th scope="col">Код</th> <th scope="col">Назва бренду</th> <th scope="col">модель</th><th scope="col">Процесор</th><th scope="col">Дисплей</th>';

for(let i = 0; i < itemList.length; i++)

{

items\_table.innerHTML+= '<tr><td>' + itemList[i].id\_teleph + '</td><td>'+ itemList[i].name\_brend + '</td><td>'+ itemList[i].model\_teleph+ '</td><td>'+ itemList[i].name\_cpu + '</td><td>' + itemList[i].name\_screen+ '</td></tr>';

}

});

}

function view\_search(){

let view\_search = document.getElementById('view\_search')

fetch('http://127.0.0.1:8081/teleph\_view')

.then((response) => {

return response.json();

})

.then((data) => {

let itemList = data;

let items\_table = document.getElementById('table');

itemList.sort();

items\_table.innerHTML = '<th scope="col">Код</th> <th scope="col">Назва бренду</th> <th scope="col">модель</th><th scope="col">Процесор</th><th scope="col">Дисплей</th>';

for(let i = 0; i < itemList.length; i++)

{ if(itemList[i].model\_teleph = view\_search)

items\_table.innerHTML+= '<tr><td>' + itemList[i].id\_teleph + '</td><td>'+ itemList[i].name\_brend + '</td><td>'+ itemList[i].model\_teleph+ '</td><td>'+ itemList[i].name\_cpu + '</td><td>' + itemList[i].name\_screen+ '</td></tr>';

}

});

}

function addscreen(){

let id\_brend = document.getElementById('id\_screen')

let id\_book = document.getElementById('name\_screen')

fetch('http://127.0.0.1:8081/addscreen?id\_screen=' + id\_screen.value + '&name\_screen=' + name\_screen.value)

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

function delscreen(){

let table\_name = document.getElementById('screendel')

fetch('http://127.0.0.1:8081/delscreen?table='+ table\_name.value+'&')

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

function addcpu(){

let id\_cpu = document.getElementById('id\_cpu')

let name\_cpu = document.getElementById('name\_cpu')

fetch('http://127.0.0.1:8081/addcpu?id\_cpu=' + id\_cpu.value + '&name\_cpu=' + name\_cpu.value)

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

function delcpu(){

let table\_name = document.getElementById('cpudel')

fetch('http://127.0.0.1:8081/delcpu?table='+ table\_name.value+'&')

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

function addbrend(){

let id\_brend = document.getElementById('id\_brend')

let name\_brend = document.getElementById('name\_brend')

fetch('http://127.0.0.1:8081/addbrend?id\_brend=' + id\_brend.value + '&name\_brend=' + name\_brend.value)

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

function delbrend(){

let table\_name = document.getElementById('brenddel')

fetch('http://127.0.0.1:8081/delbrend?table='+ table\_name.value+'&')

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

function addsklad(){

let id\_poz = document.getElementById('id\_poz')

let id\_teleph = document.getElementById('id\_teleph')

let k\_st = document.getElementById('k\_st')

fetch('http://127.0.0.1:8081/addsklad?id\_poz=' + id\_poz.value + '&id\_teleph=' + id\_teleph.value + '&k\_st='+ k\_st.value)

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

function delsklad(){

let table\_name = document.getElementById('skladdel')

fetch('http://127.0.0.1:8081/delsklad?table='+ table\_name.value+'&')

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

function addclient(){

let id\_client = document.getElementById('id\_client')

let PIB\_client = document.getElementById('PIB\_client')

let teleph = document.getElementById('teleph')

fetch('http://127.0.0.1:8081/addclient?id\_client=' + id\_client.value + '&PIB\_client=' + PIB\_client.value + '&teleph='+ teleph.value)

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

function delclient(){

let table\_name = document.getElementById('clientdel')

fetch('http://127.0.0.1:8081/delclient?table='+ table\_name.value+'&')

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

function addteleph(){

let id\_client = document.getElementById('id\_teleph')

let model\_teleph = document.getElementById('model\_teleph')

let id\_brend = document.getElementById('id\_brend')

let id\_cpu = document.getElementById('id\_cpu')

let id\_screen = document.getElementById('id\_screen')

fetch('http://127.0.0.1:8081/addteleph?id\_teleph=' + id\_teleph.value + '&model\_teleph=' + model\_teleph.value + '&id\_brend='+ id\_brend.value+ '&id\_id\_cpu='+ id\_id\_cpu.value+ '&id\_screen='+ id\_screen.value)

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

function delteleph(){

let table\_name = document.getElementById('telephdel')

fetch('http://127.0.0.1:8081/delteleph?table='+ table\_name.value+'&')

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

function addoperation(){

let id\_operation = document.getElementById('id\_operation')

let id\_client = document.getElementById('id\_client')

let id\_teleph = document.getElementById('id\_teleph')

fetch('http://127.0.0.1:8081/addoperation?id\_operation=' + id\_operation.value + '&id\_client=' + id\_client.value + '&id\_teleph='+ id\_teleph.value)

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

function deloperation(){

let table\_name = document.getElementById('operationdel')

fetch('http://127.0.0.1:8081/deloperation?table='+ table\_name.value+'&')

.then((response) => {

return response.json();

})

.then((data) => {

console.log(data);

});

let items\_table = document.getElementById('table');

items\_table.innerHTML='';

console.log('Успіх');

}

</script>

</div>

<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js" integrity="sha384-J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj1yYfoRSJoZ+n" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js" integrity="sha384-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js" integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GCExl3Og8ifwB6" crossorigin="anonymous"></script>

</body>

</html>

Результат роботи

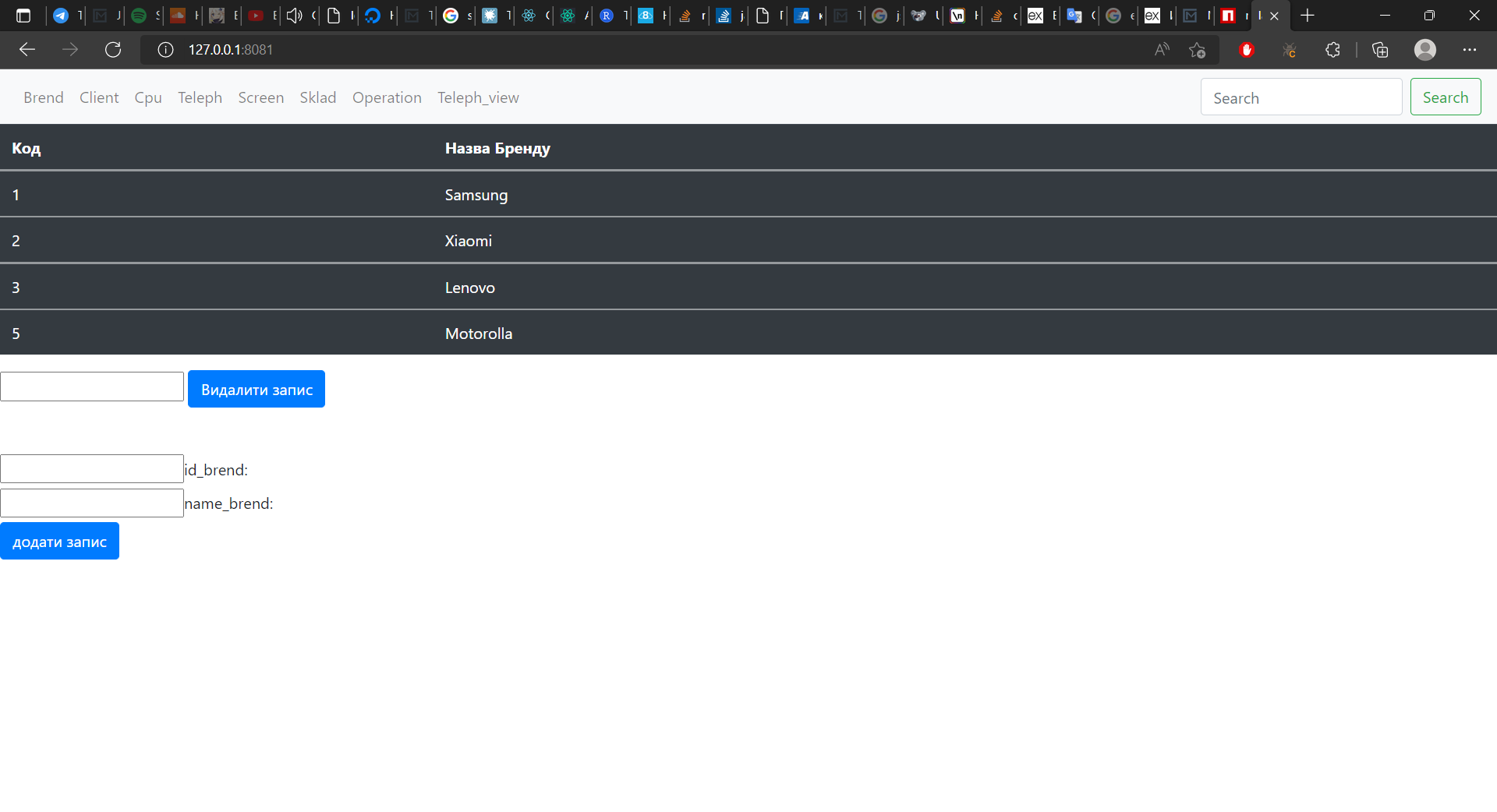


Рисунок 1 – Форма для взаємодії з таблицею «Бренд»

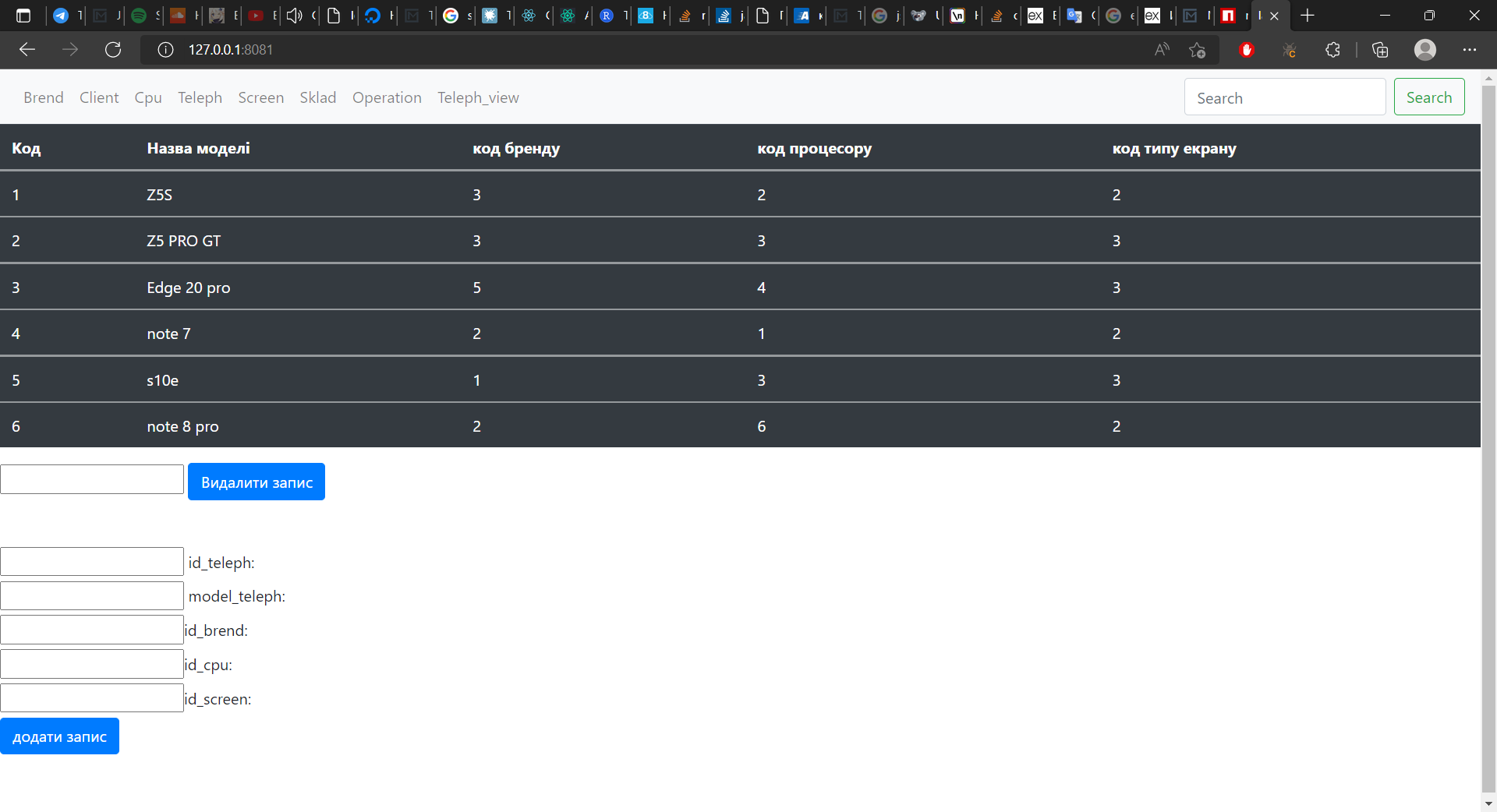


Рисунок 2 – Форма для взаємодії з таблицею «Модель»

Отже, я навчився використувати Fetch для передачі іформації між Фронтендом і Бекендом.