Basic Node JS API Implementation

This time we will learn how the API works on node JS

Create new folder and open with VS Code

Install required NPM package  
npm i express body-parser cors dotenv

Update Allpackage (Run line by line)

npm i -g npm-check-updates

ncu -u

npm install

create .env file (environment file) and put this code:

PORT=3030

Create server.js file and put this code:

const express = require("express");

const bodyParser = require("body-parser");

const cors = require("cors");

require("dotenv").config();

const app = express();

const PORT = process.env.PORT || 3000;

app.use(cors());

app.use(bodyParser.json());

app.use(bodyParser.urlencoded({ extended: true }));

app.use(express.static(\_\_dirname));

//POST http://localhost:3030/concat

app.post("/concat", async (req, res) => {

    const { variableA, variableB } = req.body;

    try {

        var resultVar = variableA + variableB;

        res.status(200).json({

            success: true,

            result: resultVar,

        });

    } catch (error) {

        res.status(500).json({ success: false, message: error.message });

    }

});

// Start the server

app.listen(PORT, () => {

    console.log(`Server is running on http://127.0.0.1:${PORT}`);

});

Run server.js  


Create 1-concat.html as frontend file and put this code:

<!DOCTYPE html>

<html lang="en">

    <head>

        <meta charset="UTF-8" />

        <meta name="viewport" content="width=device-width, initial-scale=1.0" />

        <title>Concat</title>

        <script

            src="https://code.jquery.com/jquery-3.7.1.min.js"

            integrity="sha256-/JqT3SQfawRcv/BIHPThkBvs0OEvtFFmqPF/lYI/Cxo="

            crossorigin="anonymous"

        ></script>

    </head>

    <body>

        <form id="myForm">

            <label>A <input type="text" name="variableA" value="" /></label>

            <label>B <input type="text" name="variableB" value="" /></label>

            <button type="submit">Concat</button>

        </form>

        <script>

            $("#myForm").submit(function (event) {

                event.preventDefault();

                $.ajax({

                    type: "POST",

                    url: "http://localhost:3030/concat",

                    data: $(this).serialize(),

                    success: function (data) {

                        if (data.success) {

                            alert(data.result);

                        }

                    },

                    error: function (xhr, status, error) {

                        alert(xhr.responseJSON.message);

                    },

                });

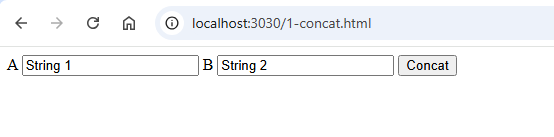
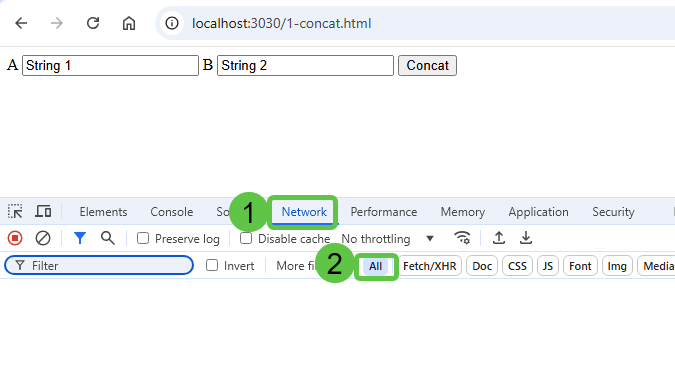
            });

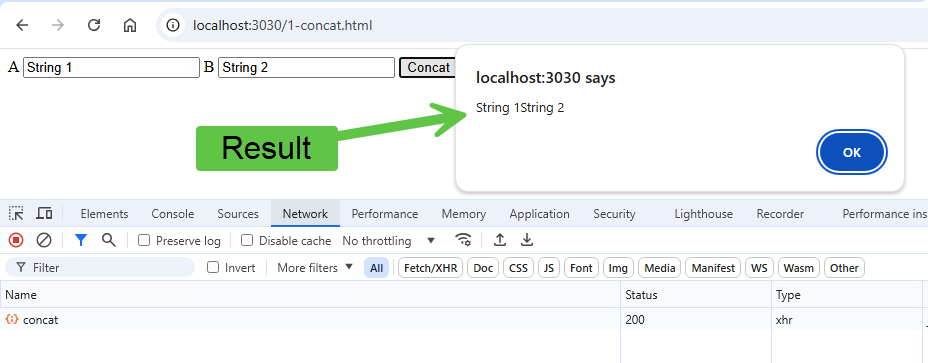
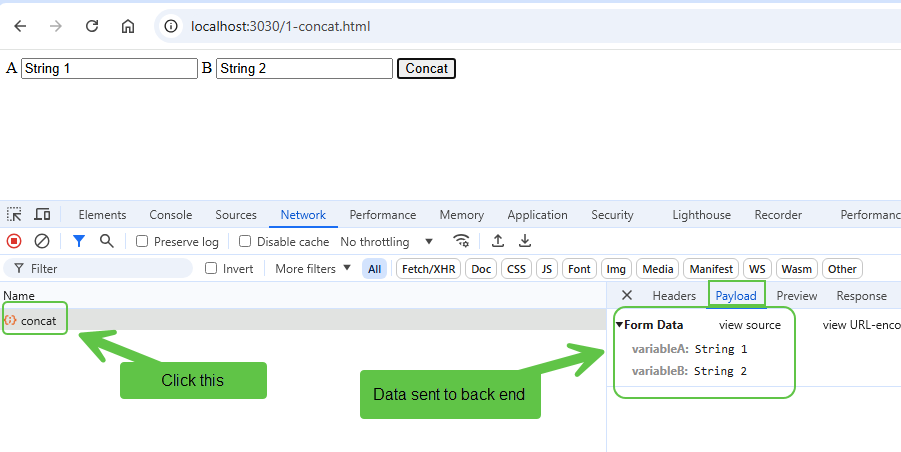
        </script>

    </body>

</html>

Open <http://localhost:3030/1-concat.html> in google chrome and fill input text

  
Press F12 to open dev tool and select network tab  


Click Concat button to get result  
  
Press OK button to close alert and click concat in network tab. Select payload to view data sent to backend  


Click Response to

