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Enrolment No.: MITU21BTITD006

Class: TY IT Core

Lab Assignment No.6

NodeJS, ExpressJS and MySQL:

How to use EJS to template your node application for

creating and managing database. (insert 4 fields in the table and render it in the views)

Files:

Index.js

const bodyParser = require('body-parser'); var express= require('express');

var app=express();

var mysql = require('mysql2');

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

// db connection

const connection = mysql.createConnection({ host: 'localhost',

user: 'abc',

password: 'Abc@123', database: 'fsd',

});

app.set('view engine', 'ejs');

app.get('/', function(req, res) {

console.log("hi");

// simple query connection.query( 'SELECT \* FROM new',

function(err, results, fields) {

console.log(results);

}

);

var mascots = [

{ name: 'Sammy', organization: "DigitalOcean", birth\_year: 2012},

{ name: 'Tux', organization: "Linux", birth\_year: 1996},

{ name: 'Moby Dock', organization: "Docker", birth\_year: 2013}

];

var tagline = "No tagline";

res.render('pages/index', {mascots, tagline});

});

app.get('/about', function(req, res) { res.render('pages/about');

});

app.get('/login', function(req, res) { res.render('pages/login')

})

app.post('/login', function(req, res) { console.log(req.body); res.render('pages/login');

})

app.get('/register', function(req, res) { res.render('pages/register')

})

app.post('/register', function(req, res) { console.log(req.body);

const { firstname, lastname, username, pass } = req.body; connection.query(

`INSERT INTO new(fname, lname, username, pass) VALUES ('${firstname}', '${lastname}', '${username}', '${pass}')`,

function(err, results, fields) { console.log(results);

}

);

res.render('pages/register');

})

app.listen(8080);

console.log('Server is listening on port 8080');

pages/register.ejs

<%- include('../partials/head'); %>

<style>

\* {

margin: 0;

padding: 0;

}

body {

font-family: Arial, Helvetica, sans-serif; background: white;

}

.container { width: 90%;

margin: 0 auto;

height: calc(100vh - 100px); display: flex;

flex-direction: column; justify-content: center;

}

form {

margin: 0 auto; display: flex;

flex-direction: column; justify-content: center; width: 300px;

border: 1px solid rgb(187, 187, 187); border-radius: 8px;

padding: 20px;

}

h2 {

text-align: center;

}

label {

margin: 20px 0 6px 0;

}

input {

height: 25px;

border: 1px solid rgb(187, 187, 187); border-radius: 8px;

}

input:focus { outline: none;

}

input[type="submit"] { margin: 20px 0

}

#show-pass { width: 140px;

}

</style>

<body>

<%- include('../partials/header', {variant: 'compact'}); %>

<div class="container">

<form action="/register" method="post">

<h2>Registration Form</h2>

<label for="firstname">First Name</label>

<input type="text" class="box" placeholder="Enter First name" id="firstname" name="firstname">

<label for="lastname">Last Name</label>

<input type="text" class="box" placeholder="Enter Last name" id="lastname" name="lastname">

<label for="username">User Name</label>

<input type="text" class="box" placeholder="Enter User name" id="username" name="username">

<label for="pass">Password</label>

<input type="password" class="box" placeholder="Enter Password" id="pass" name="pass">

<button id="show-pass">show password</button>

<input type="submit" id="submit-btn" value="Register" disabled>

</form>

</div>

<script>

var username = document.getElementById('username'); var pass = document.getElementById('pass');

var submit = document.getElementById('submit-btn'); var showPass = document.getElementById('show-pass');

var validUsername = false, validPass = false;

username.addEventListener('input', onUsernameInput); pass.addEventListener('input', onPassInput); showPass.addEventListener('click', togglePass);

function onUsernameInput(event) { validUsername = event.target.value.length > 5;

username.style.borderColor = validUsername ? 'green': 'red'; checkValidity();

}

function onPassInput(event) {

validPass = /^[a-zA-Z]{6,16}$/.test(event.target.value); pass.style.borderColor = validPass ? 'green' : 'red'; checkValidity();

}

function checkValidity() {

submit.disabled = !(validUsername && validPass);

}

function togglePass(event) { event.preventDefault(); if(pass.getAttribute('type') === 'text') { pass.setAttribute('type', 'password');

showPass.innerHTML = 'Show Password';

} else {

pass.setAttribute('type', 'text'); showPass.innerHTML = 'Hide Password';

}

}

</script>

<%- include('../partials/footer'); %>

</body>

</html>

pages/login.ejs

<%- include('../partials/head'); %>

<style>

\* {

margin: 0;

padding: 0;

}

body {

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

background: white;

}

.container { width: 90%;

margin: 0 auto;

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flex-direction: column; justify-content: center;

}

form {

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input:focus { outline: none;

}

input[type="submit"] { margin: 20px 0

}

#show-pass { width: 140px;

}

</style>

<body>

<%- include('../partials/header', {variant: 'compact'}); %>

<div class="container">

<form action="/login" method="post">

<h2>Login Form</h2>

<label for="username">User Name</label>

<input type="text" class="box" placeholder="Enter User name" id="username" name="username">

<label for="pass">Password</label>

<input type="password" class="box" placeholder="Enter Password" id="pass" name="pass">

<button id="show-pass">show password</button>

<input type="submit" id="submit-btn" value="Login" disabled>

</form>

</div>

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} else {

pass.setAttribute('type', 'text'); showPass.innerHTML = 'Hide Password';

}

}

</script>

<%- include('../partials/footer'); %>

</body>

</html>

pages/index.ejs

<%- include('../partials/head'); %>

<body class="container">

<%- include('../partials/header'); %>

<main>

<div class="row">

<div class="col-sm-8">

<div class="jumbotron">

<h1>Welcome to Our Digital Art Gallery</h1>

<p>Explore Our Collection of Digital Arts and Creative Masterpieces 🚀</p>

</div>

</div>

<div class="col-sm-4">

<div class="well">

<h3>Menu Highlights</h3>

<ul>

<li>Appetizers</li>

<li>Main Courses</li>

<li>Desserts</li>

<li>Beverages</li>

</ul>

</div>

</div>

</div>

</main>

<%- include('../partials/footer'); %>

</body>

</html>

pages/about.ejs

<%- include('../partials/head'); %>

<body class="container">

<%- include('../partials/header'); %>

<main>

<div class="row">

<div class="col-sm-8">

<div class="jumbotron">

<h1>Digital Art Gallery</h1>

<p>Digital Art</p>

</div>

</div>

</div>

</main>

<%- include('../partials/footer'); %>

</body>

</html>

partials/header.ejs

<header>

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

<a class="navbar-brand" href="/">Digital Art</a>

<ul class="navbar-nav mr-auto">

<li class="nav-item">

<a class="nav-link" href="/">Home</a>

</li>

<li class="nav-item">

<a class="nav-link" href="/about">About</a>

</li>

</ul>

<a href="login">Login</a>

<a href="register">Register</a>

</nav>

</header>

partials/head.ejs

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>ABC Resto</title>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter- bootstrap/4.5.2/css/bootstrap.min.css">

<style>

body {

background: #b4b7bdfa; box-sizing: border-box;

}

a {

padding-right: 10px;

}

.jumbotron { margin-top: 20px;

}

.well {

background-color: #b4b7bdfa; margin-top: 20px;

padding: 10px; border-radius: 2%;

}

p {

margin-top: 20px;

}

</style>

</head>

Output:







