National University of Computer and Emerging Sciences



Web Programming

Assignment 3

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| --- | --- |
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| INSTRUCTOR | Sir Shehroz khan |
| Semester | FALL 2021 |

Weather Application using Ajax

# Description:

Fetching the data from the openweatherapp API.

First converted the data into Jason then put that data into ids. Hidden property is used first for the fetched data

Until the data is fetched it keeps on throwing error. Until matched city not found it kept throwing error.

A screenshot of a computer

Description automatically generated

# Source Code:

<!doctype *html*>

<html *lang*="en">

<head>

*<!-- Required meta tags -->*

<meta *charset*="utf-8">

<meta *name*="viewport" *content*="width=device-width, initial-scale=1">

*<!-- Bootstrap CSS -->*

<link *href*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" *rel*="stylesheet" *integrity*="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3" *crossorigin*="anonymous">

<link *rel*="preconnect" *href*="https://fonts.googleapis.com">

<link *rel*="preconnect" *href*="https://fonts.gstatic.com" *crossorigin*>

<link *href*="https://fonts.googleapis.com/css2?family=Roboto&display=swap" *rel*="stylesheet">

*<!-- jQuery library -->*

<script *src*="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

<title>Mosam!</title>

</head>

<body *style*="background-image: url(https://images.unsplash.com/photo-1535025075092-5a1cf795130b?ixid=MnwxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8&ixlib=rb-1.2.1&auto=format&fit=crop&w=2946&q=80); background-size: cover;"*;*>

<div *class*="container">

<div *class*="row">

<div *class*="col">

<div *class*="h1 mx-auto mt-5">

<h1 *style*="text-align: center; font-family: 'Roboto', sans-serif;">Weather Forecasting App</h1>

</div>

</div>

</div>

</div>

<div *class*="container ">

<div *class*="row">

<div *class*="col-md-4 , mx-auto mt-5">

<input *type*="text" *class*="form-control" *placeholder*="City : " *onkeydown*="getInput()" *id*="city">

</div>

</div>

</div>

<div *class*="container">

<div *class*="row">

<div *class*="col-md-4 , mx-auto mt-5">

<div *class*="card ">

<div *class*="card-header h2 text-center">

Weather Detail

</div>

<div *class*="card-body h5 text-dark text-left" *id*='content'>

<ul *class*="list-group list-group-flush">

<li *class*="list-group-item"><span *id*="city\_name"></span></li>

<li *class*="list-group-item"><span *id*="country\_name"></span></li>

<li *class*="list-group-item"><span *id*="main"></span></li>

<li *class*="list-group-item"><ins *id*="temp"></ins></li>

</ul>

</div>

</div>

</div>

</div>

</div>

<footer *class*="text-center p-5" *style*="

position: fixed;

left: 0;

bottom: 0;

width: 100%;

color: white;

">

Developed by 19F-0228 Muhammad Zain

</footer>

*<!-- Optional JavaScript; choose one of the two! -->*

*<!-- Option 1: Bootstrap Bundle with Popper -->*

<script *src*="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js" *integrity*="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p" *crossorigin*="anonymous"></script>

*<!-- Option 2: Separate Popper and Bootstrap JS -->*

*<!--*

*<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.10.2/dist/umd/popper.min.js" integrity="sha384-7+zCNj/IqJ95wo16oMtfsKbZ9ccEh31eOz1HGyDuCQ6wgnyJNSYdrPa03rtR1zdB" crossorigin="anonymous"></script>*

*<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.min.js" integrity="sha384-QJHtvGhmr9XOIpI6YVutG+2QOK9T+ZnN4kzFN1RtK3zEFEIsxhlmWl5/YESvpZ13" crossorigin="anonymous"></script>*

*-->*

<script>

let content = document.getElementById('content');

content.style.visibility = 'hidden';

function getInput()

{

var cityInput=document.getElementById("city").value;

console.log(cityInput)

$.ajax({

url:"https://api.openweathermap.org/data/2.5/weather?q="+cityInput+"&appid=2d1b74f5ad0d95acfc6cf9bf6bdd5687&units=metric",

type:"get",

success:function(*data*)

{

$("#city\_name").html(*data*.name);

$("#country\_name").html(*data*.sys.country);

$("#main").html(*data*.weather[0].main);

$("#temp").html(*data*.main.temp + " C");

content.style.visibility = 'visible';

},

error:function(*error*){

content.style.visibility = 'hidden';

console.log('No Data Found');

}

})

}

</script>

</body>

</html>

# Final Outcome:

Graphical user interface, text

Description automatically generated