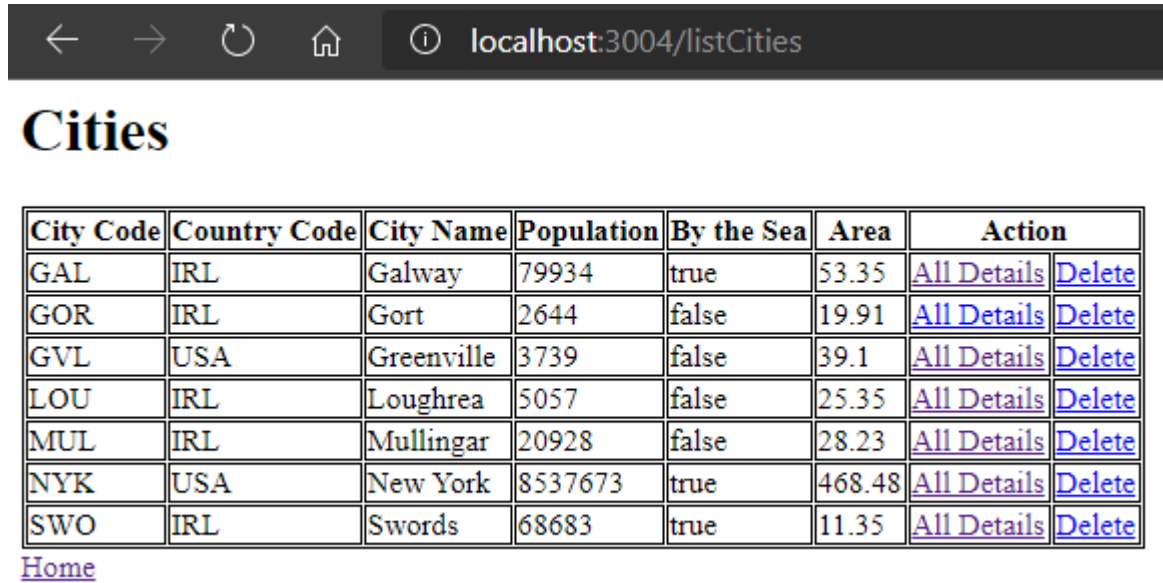


Data Centric Web Applications

Innovations

Delete Action

Added “Delete” action for each City



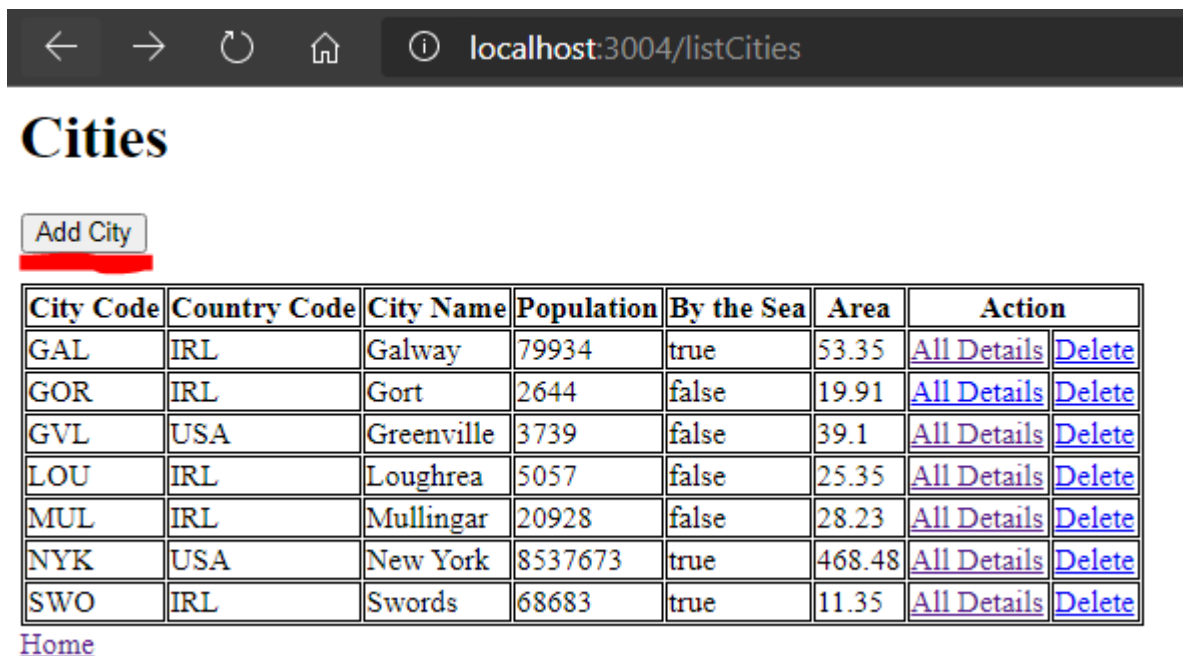
City Code	Country Code	City Name	Population	By the Sea	Area	Action
GAL	IRL	Galway	79934	true	53.35	All Details Delete
GOR	IRL	Gort	2644	false	19.91	All Details Delete
GVL	USA	Greenville	3739	false	39.1	All Details Delete
LOU	IRL	Loughrea	5057	false	25.35	All Details Delete
MUL	IRL	Mullingar	20928	false	28.23	All Details Delete
NYK	USA	New York	8537673	true	468.48	All Details Delete
SWO	IRL	Swords	68683	true	11.35	All Details Delete

[Home](#)

As the user clicks “Delete” action, the city will be removed from the list and redirected back to the same page (listCities). The deleted city will be gone from the list.

Add City

Added Button to add a new city, which will add the new city to MySQL Database city table



[Add City](#)

City Code	Country Code	City Name	Population	By the Sea	Area	Action
GAL	IRL	Galway	79934	true	53.35	All Details Delete
GOR	IRL	Gort	2644	false	19.91	All Details Delete
GVL	USA	Greenville	3739	false	39.1	All Details Delete
LOU	IRL	Loughrea	5057	false	25.35	All Details Delete
MUL	IRL	Mullingar	20928	false	28.23	All Details Delete
NYK	USA	New York	8537673	true	468.48	All Details Delete
SWO	IRL	Swords	68683	true	11.35	All Details Delete

[Home](#)

Add City Validation

Added City Validation, to validate if the input fields are not empty or have characters.

← → ↻ 🏠 ⓘ localhost:3004/addCity

Add City Details

- Country Code must be 3 characters
- City Code must be 3 Characters
- City Name must be at least 3 characters
- Population cannot be empty
- Must be a boolean true or false
- Area (KM) cannot be empty

City Code

Country Code

City Name

City Population

By the Sea

Area (KM)

[Home](#)

If the country code entered does not exists in the database, then the city cannot be added to city table.

← → ↻ 🏠 ⓘ localhost:3004/addCity

Add City Details

- Cannot add Country GER as this country is not in MySQL database

City Code

Country Code

City Name

City Population

By the Sea

Area (KM)

[Home](#)

Added Extra validation for city code duplication.

[←](#) [→](#) [↺](#) [🏠](#) [ℹ](#) localhost:3004/addCity

Add City Details

- Cannot add City GOR as this city is already in MySQL database

City Code

Country Code

City Name

City Population

By the Sea

Area (KM)

Add

[Home](#)

Update City

I have added an update functionality for All City Details. You can append the details of any city

[←](#) [→](#) [↺](#) [🏠](#) [ℹ](#) localhost:3004/allDetails/MUL

All City Details

City Code

City Name

City Population

By the Sea

Area (KM)

Update

Country Code

Country Name

[Home](#)

Added validation for City Code, City Code value cannot be changed

[←](#) [→](#) [↺](#) [🏠](#) [ℹ](#) localhost:3004/updateCity/MUL

All City Details

- City Code cannot change value

City Code

ADS

City Name

Mullingar

City Population

20928

By the Sea

false

Area (KM)

28.23

Update

Country Code

Country Name

[Home](#)

Heads of State

Added Update and Delete actions for Heads of State

[←](#) [→](#) [↺](#) [🏠](#) [ℹ](#) localhost:3004/listHeads

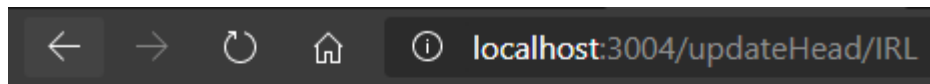
Heads Of State

Add Head Of State

Country Code	Head Of State	Action	
USA	Donald Trump	Update	Delete
IRL	Michael D. Higgins	Update	Delete
FRA	Emmanuel Macrons	Update	Delete

[Home](#)

Also added some validation for updating the Head of State.



Update Head Of State

- Country Code cannot change value
- Head of State must be at least 3 characters

Country Code

Head of State

[Home](#)