

# Global

## Home

### Global

colorSet  
fetchJSON  
map  
mapboxAccessToken  
style

## Members

`map :Object`

Intializes the map and set coordinates and zoom level

### Type:

- Object

Source: [covidMAPscript.js, line 11](#)

`mapboxAccessToken :string`

Store Mapbox token

### Type:

- string

Source: [covidMAPscript.js, line 5](#)

## Methods

`colorSet(data) → {string}`

Picks colour of region/area depending on the number of COVID cases

### Parameters:

Name	Type	Description
data	number	Number of cases in specified location

Source: [covidMAPscript.js, line 153](#)

## Returns:

Colour of region

Type

string

## fetchJSON(url)

Function retrieves geojson file and creates interactive map

## Parameters:

Name	Type	Description
url	string	Indicates path of geojson file for the map of the UK

Source: [covidMAPscript.js, line 30](#)

## style(feature) → {Object}

Implements styling to the map by setting the colours of the region depending on number of cases, strokes and some other finishing touches

## Parameters:

Name	Type	Description
feature	Object	Feature object in Geojson file of the map of the UK

Source: [covidMAPscript.js, line 168](#)

## Returns:

Styling properties of map

Type

Object

# Global

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cases  
create  
deaths  
elementsToShow  
fetch  
isElementInViewport  
loop  
recovery  
ylabl  
yValue

## Members

(constant) `elementsToShow` :HTMLInputElement

Looks for elements we want to appear on scroll.

### Type:

- HTMLInputElement

Source: [indexScript.js, line 12](#)

`ylabl` :string

String label for y-axis

### Type:

- string

Source: [indexScript.js, line 72](#)

## Methods

`cases()`

Function is triggered when user requests for chart displaying trend of COVID cases. Retrieves the data and draws the corresponding graph Graph.

Source: [indexScript.js, line 213](#)

`create(data, ylabl)`

Creates the Graph Using data extracted from JSON file.

## Parameters:

Name	Type	Description
data	Object	Contains data needed to plot the graph.
ylabl	string	Represents the label for the y-axis.

Source: [indexScript.js, line 79](#)

## deaths()

Function is triggered when user requests for chart displaying trend of COVID deaths. Retrieves the data and draws the corresponding graph Graph.

Source: [indexScript.js, line 238](#)

## fetch()

Fetch data needed to draw graph in json format Trigger callback to draw graph when data is finished loading

Source: [indexScript.js, line 202](#)

## isElementInViewport(element)

Function is used to check if the particular element is within a specified viewport

## Parameters:

Name	Type	Description
element	HTMLElement	Calls HTMLElement

Source: [indexScript.js, line 38](#)

## Returns:

Returns true if element is on screen

## loop()

Loops through elements and checks if they are visible. If element is in view port it appends a class to add some css animations.

Source: [indexScript.js, line 14](#)

## recovery()

Function is triggered when user requests for chart displaying trend of COVID recoveries. Retrieves the data and draws the corresponding graph Graph.

Source: [indexScript.js, line 255](#)

## yValue(d)

Extracts the value for deaths recorded from the Object.

### Parameters:

Name	Type	Description
d	Object	Contain the data needed to plot the graph

Source: [indexScript.js, line 67](#)

# Class: Info

## Home

### Classes

Info

### Events

click

### Global

getData

getUserInfo

Graph

## Info(urlCase, age, urlAid)

Class to create chart, calculate the number of cases, deaths and recoveries, select available hospitals

## Constructor

```
new Info(urlCase, age, urlAid)
```

### Parameters:

Name	Type	Description
urlCase	string	String that defines the path of the JSON file which contains data about the number of cases,recoveries,deaths at a specific area
age	number	Takes the age of the User
urlAid	string	String that defines the path of the JSON file which contains data about the hospitals in that area

Source: [more.js, line 22](#)

## Members

age

### Properties:

Name	Type	Description
age	number	Age of User

Source: [more.js, line 38](#)

## urlAid

### Properties:

Name	Type	Description
urlCase	string	Path of JSON file containing Hospitals available on specific location

Source: [more.js, line 42](#)

## urlCase

### Properties:

Name	Type	Description
urlCase	string	Path of JSON file containing COVID data on specific location

Source: [more.js, line 34](#)

# Global

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## Classes

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## Members

Graph :object

Defines the graph

### Type:

- object

Source: [more.js, line 16](#)

## Methods

getData(area)

Draw chart, calculate risk, Obtain number of deaths, cases & recoveries, obtain available hospitals

### Parameters:

Name	Type	Description
area	string	Location of the user

Source: [more.js, line 44](#)

getUserInfo(ev) → {method}

### Parameters:

Name	Type	Description
ev	MyEvent	This is an event that submits the userform to a server and reloads the page.

### Properties:



Name	Type	Description
getUserInfo	function	Obtain user input from form This function is triggered when the user Clicks on the submit button. When the submit button is clicked it returns a form to the server and reloads the page. However since this project is solely based on Client side when we press the submit button the page reloads and we lose data. To avoid this we added @function [preventDefault] to stop the submit button from automatically reloading the page and losing the data. We then obtain the input values from the input values and trigger certain functions depending on the Users choice.

Source: [more.js, line 273](#)

## Returns:

Returns the method of a new instance

Type

method

# Type Definitions

## UserInfo

User

## Type:

- Object

## Properties:

Name	Type	Description
name	string	Users name (Optional)

age	number	User age
area	number	User area represented by a specific number code Obtains the value of the name, age and area of the User Each area is assigned to a value number. From that number we can decide what information to return to the user.

Source: [more.js, line 275](#)

## Events

### click

Triggers an event listener when the DOM has loaded When User clicks submit form button triggers the @function getUserInfo function

Source: [more.js, line 1](#)