jQuery AJAX

• AJAX is an acronym standing for <u>Asynchronous JavaScript and XML</u> and this technology helps us to load data from the server without a browser page refresh.

• JQuery is a great tool which provides a rich set of AJAX methods to develop next generation web application.

```javascript
$.ajax({
    url: "https://reqres.in/api/users",
    type: "POST",
    data: {
        name: "paul rudd",
        movies: ["I Love You Man", "Role Models"]
    },
    success: function(response){
        console.log(response);
    }
});
```

Methods

- **$.ajax()**

The ajax() method is used to perform an AJAX (asynchronous HTTP) request.

Syntax: `$.ajax({name:value, name:value, ... })`

```
$.ajax({
  type: 'POST',
  url: 'ajax.php',
  data: dataString,
  success: function () {
    alert('success!');
  },
});
```

Methods

- **$.get()**

This method loads data from the server using a GET HTTP request.

Syntax:

$$\$.get(URL, data, function(data, status, xhr), dataType)$$

```javascript
$.get('/users', function (data, status) {
  alert('Data: ' + data + '\nStatus: ' + status);
});
```

Methods

- ## $.post()

This method loads data from the server using a POST HTTP request.

Syntax:

$$\$.post(URL, data, function(data, status, xhr), dataType)$$

```
$.post('user/login', { username: 'ali', password: '123456' }, function (result) {
  $('span').html(result);
});
```

Parameters

The parameters specifies one or more name/value pairs for the AJAX request

- url : Specifies the URL to send the request to. Default is the current page

- data : Specifies data to be sent to the server

- success() : A function to be run when the request succeeds

- error() : A function to run if the request fails.

- contentType : The content type used when sending data to the server. Default is: "application/x-www-form-urlencoded"

- async : A Boolean value indicating whether the request should be handled asynchronous or not. Default is true

- headers : Specifies headers to be sent to the server