

Practical Lab Exercises

Lab- JQuery

Web Programming (F28WP)

Introduction

In this lab, you'll further develop your understanding of jQuery. The purpose of jQuery is to make it much easier to use JavaScript on your website. jQuery is a lightweight, "write less, do more", JavaScript library.

1.1 jQuery - load() Example

Implement the following sample, with a local client script (i.e., index.html, and on your server, e.g., macs folder (e.g., public_html folder on your university computer, which is accessible from www2.macs.hw.ac.uk/~username/)

Client side (index.html)

```
<!DOCTYPE html>
<html>
  <head>
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"> </script>
    <script>
      $(document).ready(function(){
        $("button").click(function(){
          $("#divContent").load("send.php");
        });
      });
    </script>
    <style>
      body {
        text-align: center;
      }
      #divContent {
        font-size: 40px;
        font-weight: bold;
        color: green;
      }
    </style>
  </head>
  <body>
    <div id="divContent">
      Default Content
    </div>
  </body>
</html>
```

Server side (send.php)

```
<?php
$t=time();
echo($t . "<br>");
echo(date("Y-m-d",$t));
?>
```

When you run the following script. You should see the content on the page updated (i.e., div section called divContent, replace the Default Content with the information retrieved from send.php).

Try modifying the code to have a Javascript timer keep updating the time information in real-time (i.e., keeps retrieving the information from send.php and updating the text on screen).

Pass arguments to the php script to have it return different information (e.g., send.php?val=2;). In the php script check if the value is set and echo different information.