Practical Lab Exercises

Lab – Ajax and JSON

Web Programming (F28WP)

Introduction

In this lab, you'll further develop your understanding of Ajax.

1.1 Ajax - 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)

```html
<html>
  <head>
    <title>TODO supply a title</title>
    <meta charset='UTF-8'>
    <meta name='viewport' content='width=device-width, initial-scale=1.0'>
    <script src='http://code.jquery.com/jquery.js'></script>
    <script>
     $(document).ready(function(){
        setInterval(initTimer, 1000);
     });
     function initTimer(){
        $.ajax({
          url: 'mytimer.php',
          success: function(data) {
            console.log(data);
            data = data.split(':');
            $('#hrs').html(data[0]);
            $('#mins').html(data[1]);
            $('#secs').html(data[2]);
          }
        });
      }
    </script>
  </head>
  <body>
    <span id='hrs'>0</span>:<span id='mins'>0</span>:<span id='secs'>0</span>
  </body>
</html>
```

Server side (mytimer.php)

```
<?php

header('Content-Type: text/event-stream');
header('Cache-Control: no-cache');

echo date('h:i:s A');
?>
```

When you run the following script. You should see the content on the page updated (i.e., span section with the information retrieved from mytimer.php).

Try and add extra information, also animations (e.g., move objects around the screen and change the screen background colour dynamically on the fly based on the information received from the php script).