**Lab 8: JavaScript in a Web Page**

The aim of this lab is to use JavaScript within a web page.

We will use an external JavaScript file to handle the definition of a function to be called from within the web page.

# Step 1: Create a JavaScript file

The function should use a dialog to welcome the user (for example the function could call the alert operation).

To do this create a new file called welcome.js. This file should be stored within the html directory shared with Vagrant.

cd c:\coursework

# Step 2: Implement a JavaScript function

Write a simple function called welcome() that will call the alert() function with a “Hello Web World” message. This function can be very simple, for example:

|  |  |  |
| --- | --- | --- |
| function welcome() { | | |
|  | alert("Hello Web World!"); |
| } | } |

# Step 3: The index.html page.

Create (or edit) a simple index.html file in your HTML directory. Ensure that it loads the JavaScript file in the header.

Next add a button that when it is clicked will call the welcome() function.

An example of what this file might look like is given below:

<html>

<head>

<title>Hello World</title>

<meta charset=UTF-8" />

<!-- Bootstrap CSS -->

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"

crossorigin="anonymous">

<script src="welcome.js">

</script>

</head>

<body>

<h1>Hello World</h1>

<p>

<form>

<input type="button" value="click me" onclick="welcome()" />

</form>

</p>

</html>

# Step 4: Open in a browser

Now open the index.html file in a browser such as Chrome. This should be done by accessing the Apache web server running on the Vagrant managed Linux box on your computer.

Click on the button you have defined and check that the dialog is displayed to you.

The end result is shown below:

A screenshot of a cell phone

Description automatically generated A screenshot of a cell phone

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