**PROJECT REPORT**

**CSE4500 Platform Computing**

**Instructor: Lawrence Orijuela**

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LAB:\_Project 2 – Physics Project App2\_\_\_\_\_\_\_\_\_\_

**Report**

1. There are three total ways to add JavaScript to your HTML code. Describe all three with 2 or more sentences each.
   1. **Embedding the JavaScript directly in the HTML document.** The <script></script> tag is a way to code the JavaScript directly into the HTML document, by setting the opening tag to type=’text/javascript’. Raw JavaScript can then be inserted within that block of code to manipulate the HTML document directly via the DOM.
   2. **Inserting the JavaScript into the HTML document by linking an external file.** Again, the <script></script> tags are used, but this time there is no content between the tags. Instead, in the header where the type=”text/javascript” is declared, another attribute “src” is declared with a value for the relative path of the JavaScript file to include in the document.
   3. **Inserting an external file containing a JavaScript function, and calling that function within the HTML document.** As in the second option, the <script> tag is used to reference an external JavaScript file. However, rather than just containing a block of JavaScript, the code is written as a function. The function can then be called within the <body> tag using the “onload” attribute and passing it the name of the function along with any parameters it requires.
2. Explain how you add multiple pages to an HTML web app.
3. Explain how you add a widget (like a button) to an HTML web app.

jQuery makes it easy by providing us with extensive files that have widgets implemented already. When using jQuery Mobile, we can use the API to use preset tags. For example, the <button></button> tag with text in between adds and names a button. There are many other widgets that can be used, for example the <label></label> tag can be used to label a text-input box by calling out the name of the text box to label with the “for” attribute. The text box itself uses an <input></input> tag along with a variety of attributes to describe behavior of the text box.

**Source Code**

*[Here, copy-paste the source code of any necessary files. If there are multiple files, denote which is which.]*

**Screenshots**

*[Here, please copy paste the screenshots of working project. If there are multiple screenshots, denote which one is which.]*