**IT 310 – Web System and Technologies 2**

**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Yr. and Section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***Student Activity 9***

**JQUERY APPLICATIONS**

**I. INTRODUCTION:**

jQuery is a JavaScript library that is fast, small, and has everything you require for a web application. .jQuery was designed to simplify the client-side scripting of HTML and make it easier to work with JavaScript on the client side of web development

**II. OBJECTIVES:**

The objective of this activity is to assess the student in developing website that employs JQuery library.

**III. MATERIAL/S:**

a. Activity sheet

b. Computer

**IV. TECHNOLOGIES**

a. HTML

b. CSS

c. JavaScript / JQuery

**V. PROCEDURE:**

1. Design and develop a website with the following features:

d. PHP

e. XML

f. XMLHttpRequest

a. To-Do List: Build a basic to-do list where users can add and remove tasks with ease. b. Image Slideshow: Create a simple image slideshow that changes pictures automatically or with a click.

c. FAQ Accordion: Design an FAQ section where questions expand to reveal answers when clicked.

d. Form Validation: Enhance a form with real-time validation, making sure users enter the right info.

e. Responsive Navbar: Make a navigation bar that adjusts for small screens, improving mobile friendliness.

f. Tabbed Content: Create tabs that let users switch between different sections of content easily.

g. Basic Image Gallery: Build a gallery with thumbnails that show larger images when clicked. h. Dropdown Menu: Design a menu that drops down when users hover or click on it. i. Counter or Timer: Add a simple counter or timer for displaying time elapsed or remaining.

**Note:**

**You can used different jQuery library as many as you want as long, it provides the necessary function requires by your system**

**WEBSITE DESIGN RUBRICS**

|  | **Beginning**  **1 point** | **Developing**  **2 points** | **Meets S t a n d a r d**  **3 points** | **Above S t a n d a r d**  **4 points** | **Score** |
| --- | --- | --- | --- | --- | --- |
| **1. Simplicity** |  |  |  |  |  |
| In terms of Web design, simplicity refers to an approach to express something in a complete and efficient way. | • web page is too busy  • people reading it cannot find  what they want quickly.  excessive use of graphic  elements | • web page is somewhat busy  • people reading it will have  difficulty finding what they want  quickly. excessive use of  graphic elements. | • content is simple and to the point.  • appealing graphic elements are  included appropriately.  • differences in type size and/or color are used well. | • content is simple and to the  point.  • design is easy to understand in many ways |  |
| **2. Consistency** |  |  |  |  |  |
| The design must be consistent in the whole website. Each page must be predictable and look similar to each of the other pages in color, text format, and/ or some familiar layout. | • background, text format, and  color usage are randomly chosen  • pages seem unrelated | • background, text format, and  color usage are randomly  chosen with few consistent  elements throughout | • background, text format, and color usage are somewhat consistent with little inappropriate variation. | • background, text format, and  color usage are carefully  chosen to produce a  consistent screen layout for all  your pages. |  |
| **3. Color Schemes** |  |  |  |  |  |
| Color scheme refers to a set of colors you use on your Web components including text, background, link, visited link, active link, border, and table. | • little thought went into the choice of colors.  • choice of colors and combinations are negative | • little though went into the  choice of colors.  • colors do not match the  character of the site | • color is used somewhat  appropriately to produce an  atmosphere that expresses the  character of the Web site. | • color is appropriately used to  produce an atmosphere that  expresses the character of  the Web site. |  |
| **4. Audience** |  |  |  |  |  |
| The audience will influence every aspect of your website's design | • tone of language not  appropriate  • use of graphics and/ or colors is not appropriate for audience | • audience is not defined or  poorly defined through  confusing use of tone and  language structure | • tone of language is mostly  appropriate  • use of graphics and colors is mostly appropriate for audience. | • tone of language appropriate for audience  • use of graphics and colors  is appropriate for audience.  • audience is well defined. |  |
| **5. Structure/ Navigation/Format** |  |  |  |  |  |
| Good websites are well organized. Their content is presented in a clear manner that is easy to follow. You should ensure that the readers get around your website with ease. Blocks of text and images must be of appropriate size. | • content is confusing and  difficult to follow.  • site is difficult to navigate.  • not intuitive.  • large images that take long to  load. | • content is somewhat  confusing and difficult to  follow.  • site is somewhat difficult  to navigate.  • too much textual  information. | • content is presented in a clear manner that is easy to follow  • navigation is difficult  • not intuitive. | • content is presented in a  clear manner that is easy  to follow.  • readers can get around  your website with ease.  • there are no blind links. |  |