

Technical Vocational Livelihood

11

QUARTER

2

Computer Programming



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Computer Programming (ICT) – Grade 11

TECHNICAL VOCATIONAL LIVELIHOOD



Quarter 2 – Module 4 CSS Button First Edition, 2020

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Development Team of the Module

Writer: Jenessy Joy T. Pinga

Editor: Ma. Lerma I. Cantanero

Reviewer: Rowena O. Dimagiba

Illustrator:

Layout Artist:

Management Team: Ma. Evalou Concepcion A. Agustin

Assistant Schools Division Superintendent

OIC-Schools Division Superintendent

Aurelio G. Alfonso, Ed. D.

OIC-Assistant Schools Division Superintendent

Victor M. Javena, Ed. D.

OIC – Chief Curriculum Implementation Division

Chef School Governance and Operation Division

Education Program Supervisor

Wilma Q. Del Rosario, LRMDs

Dr. Libranda L. Agon, Ed. D., EPP/TLE

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Department of Education – Division of Pasig City

Office Address: Caruncho Avenue, San Nicolas, Pasig City

Telefax: 641-88-85 / 682-2819

E-mail Address: divisionofpasig@gmail.com



Computer Programming

11

Quarter 2

Self Learning Module 4

CSS Button

Writer: Jenessy Joy T. Pinga

Editor: Ma. Lerma I. Cantanero

Validator/Reviewer: Rowena O. Dimagiba



Introductory Message

For the Facilitator:

Welcome to the Computer Programming for the ICT Module on CSS Button!

This module was collaboratively designed, developed and reviewed by educators from Schools Division Office of Pasig City headed by its Officer-In-Charge Schools Division Superintendent, Ma. Evalou Concepcion A. Agustin in partnership with the Local Government of Pasig through its mayor, Honorable Victor Ma. Regis N. Sotto. The writers utilized the standards set by the K to 12 Curriculum using the Most Essential Learning Competencies (MELC) while overcoming their personal, social, and economic constraints in schooling.

This learning material hopes to engage the learners into guided and independent learning activities at their own pace and time. Further, this also aims to help learners acquire the needed 21st century skills especially the 5 Cs namely: Communication, Collaboration, Creativity, Critical Thinking and Character while taking into consideration their needs and circumstances.

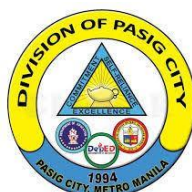
In addition to the material in the main text, you will also see this box in the body of the module:



Notes to the Teacher

This contains helpful tips or strategies that will help you in guiding the learners.

As a facilitator you are expected to orient the learners on how to use this module. You also need to keep track of the learners' progress while allowing them to manage their own learning. Moreover, you are expected to encourage and assist the learners as they do the tasks included in the module.



For the Learner:

Welcome to the Computer Programming for the ICT Module on CSS Button!

The hand is one of the most symbolized part of the human body. It is often used to depict skill, action and purpose. Through our hands we may learn, create and accomplish. Hence, the hand in this learning resource signifies that you as a learner is capable and empowered to successfully achieve the relevant competencies and skills at your own pace and time. Your academic success lies in your own hands!

This module was designed to provide you with fun and meaningful opportunities for guided and independent learning at your own pace and time. You will be enabled to process the contents of the learning material while being an active learner.

This module has the following parts and corresponding icons:



Expectation - These are what you will be able to know after completing the lessons in the module



Pre-test - This will measure your prior knowledge and the concepts to be mastered throughout the lesson.



Recap - This section will measure what learnings and skills that you understand from the previous lesson.



Lesson- This section will discuss the topic for this module.



Activities - This is a set of activities you will perform.



Wrap Up- This section summarizes the concepts and applications of the lessons.



Valuing-this part will check the integration of values in the learning competency.



Post-test - This will measure how much you have learned from the entire module. Ito po ang parts ng module.





EXPECTATION

At the end of the module the learner is expected to:

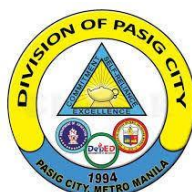
1. understand CSS Button.
2. perform and apply how to add and change style of CSS button.
3. cite the importance of CSS button.

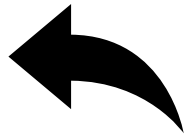


PRE-TEST

Instruction: Select the letter that corresponds to the correct answer.

1. A property used to add a rounded corner to a button.
 - A. border-radius
 - B. transition-duration
 - C. box-shadow
 - D. cursor
2. A property that can have the value of "not-allowed".
 - A. border-radius
 - B. transition-duration
 - C. box-shadow
 - D. cursor
3. A property that can use to add a colored border to a button.
 - A. border
 - B. transition
 - C. box
 - D. cursor
4. A property used to determine the speed of the "hover" effect.
 - A. border-radius
 - B. transition-duration
 - C. box-shadow
 - D. cursor
5. A property used to add shadows to a button.
 - A. border-radius
 - B. transition-duration
 - C. box-shadow
 - D. cursor





RECAP

Module 3 discussed CSS transition and CSS animation, based on how you understood the lesson, describe the difference between CSS transition and CSS animation.

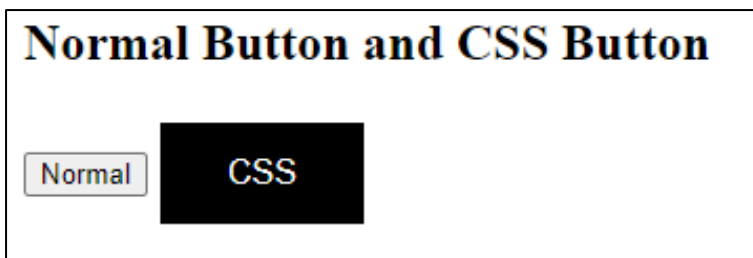


LESSON

CSS Button

Others might be thinking buttons are just nothing, but the truth is buttons are important element in web designing. It helps the page give more attractive look to the user and also helps the user to navigate easily the page or the website.

The picture below shows a webpage with two buttons, one is a default button while the other one is a button with CSS.



This module will teach you to add style to a button using CSS.

background-color – it is a property that is used to change a color of a button.

font-size – it is a property that is used to change the font size of a button.

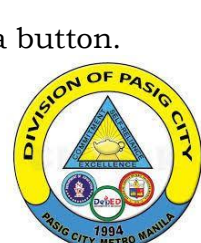
Padding – it is a property that is used to change the padding of a button.



border-radius – it is a property that is used to add rounded corners to a button.

Border – it is a property that is used to add a colored border to a button.

transition-duration – it is a property that is used to determine the speed of the "hover" effect.

box-shadow – it is a property that is used to add shadows to a button.

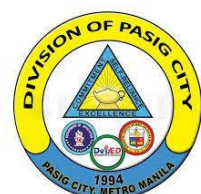


 **cursor** – it is a property with a value of "not-allowed", which will display a  when you mouse over the button.

Width – it is a property that is used to change the width of a button.

Example:

```
<!DOCTYPE html>
<html>
<head>
<style>
.button {background-color: yellow;}
.button2 {background-color: red; font-size: 30px;}
.button3 {background-color: pink; padding: 30px 10px;}
.button4 {background-color: lightblue; border-radius: 25%;}
.button5 {background-color: gray; border: 2px solid red;}
.button6:hover {background-color: violet; transition-duration: 1s;}
.button7 {background-color: green; box-shadow: 0 5px 10px 0 yellow, 0 15px 10px 0 blue;}
.button8 {background-color: orange; cursor: not-allowed;}
.button9 {background-color: brown; width: 80%;}
</style>
</head>
<body>
<h2>CSS Buttons</h2><br><br>
<button class="button">All buttons uses background-color property</button>
<br><br>
<button class="button2">this button use font-size property with a value of 30px</button> <br><br>
<button class="button3">this button use padding property with a value of 30px for top and bottom and 10px for left and right</button> <br><br>
<button class="button4">this button use border-radius property with 25% value</button> <br><br>
<button class="button5">this button use border property with the value of 2px for width, solid for design and red for the color</button> <br><br>
<button class="button6">this button use transition-duration property with 1s value, hover the cursor to this button to see what happen</button> <br><br>
<button class="button7">this button use box-shadow property with yellow and blue color value for shadow </button> <br><br>
<button class="button8">this button use cursor property with not allowed value, hover the cursor to this button to see what happens</button> <br><br>
<button class="button9">this button use width property with the value of 80%</button>
</body>
</html>
```



Output:

CSS Buttons

All buttons uses background-color property

this button use font-size property with a value of 30px

this button use padding property with a value of 30px for top and bottom and 10px for left and right

this button use border-radius property with 25% value

this button use border property with the value of 2px for width, solid for design and red for the color

this button use transition-duration property with 1s value, hover the cursor to this button to see what happen

this button use box-shadow property with yellow and blue color value for shadow

this button use cursor property with not allowed value, hover the cursor to this button to see what happens

this button use width property with the value of 80%

Button Groups

Use **display:block** or **float:left** to group the buttons vertically or horizontally.

Example:

```
<!DOCTYPE html>
<html>
<head>
<style>
.horizontal .button {
  background-color: yellow;
  border: 1px solid black;
  color: red;
  padding: 15px 32px;
  text-align: center;
  display: inline-block;
  font-size: 20px;
  cursor: pointer;
  float: left;
}
.vertical .button {
  background-color: yellow;
  border: 1px solid black;
  color: red;
```



```

padding: 15px 32px;
text-align: center;
display: inline-block;
font-size: 20px;
cursor: pointer;
display: block;
}
</style>
</head>
<body>

<h2>horizontal( float: left )</h2>
<div class="horizontal">
  <button class="button">Button</button>
  <button class="button">Button</button>
  <button class="button">Button</button>
  <button class="button">Button</button>
</div>
<br><br><br>
<h2>vertical( display: block )</h2>
<div class="vertical">
  <button class="button">Button</button>
  <button class="button">Button</button>
  <button class="button">Button</button>
  <button class="button">Button</button>
</div>
</body>
</html>

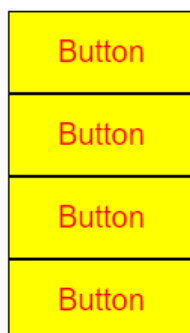
```

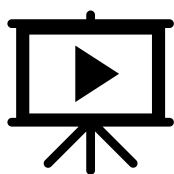
Output:

horizontal(float: left)



vertical(display: block)





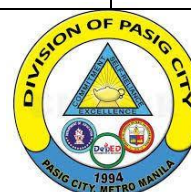
ACTIVITIES

Create a website about ICT that has the following button requirements;

1. 5 buttons in a group.
2. 5 buttons single buttons.
3. Each button has the following property:
 - background-color
 - font-size
 - Padding
 - border-radius
 - Border
 - transition-duration
 - box-shadow
 - cursor
 - Width

Rubrics:

	Needs work	Developing	Meets Standard	Score
Content (Good content should be relevant)	Information is not always clear or correct. The theme or main idea of the Web page is more or less clear but does not relate to the purpose or theme of the project.	Information is clear and correct. The theme or main idea of the Web page is more or less clear and related to the purpose or theme of the project	The content has accurate and useful information. The theme or main idea of the Web page is clear and related to the purpose or theme of the project.	
	15	20	25	
Visual Design (Appearance)	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	
	15	20	25	
Structure and Navigation (Good navigation gets you where you want to go quickly)	Site is difficult to navigate.	Site is sometimes difficult to navigate.	Readers can get around your website with ease.	
	15	20	25	
Innovation	Website has no unique style.	Some of the page has unique style.	Website has a unique style.	



(The idea is new, or merely iterating on a previous idea)	15	20	25	
Total				/100

*Answer the Worksheet number 4 and submit a soft copy/hard copy of your completed activity to your subject teacher on the following meeting.



WRAP-UP

Instructions: Based on how you understood the lesson describe the use off the following:

- background-color
- font-size
- Padding
- border-radius
- Border
- transition-duration
- box-shadow
- cursor
- Width
- display: block
- float: left



VALUING

Instructions: Read and answer the following questions carefully in two to three sentences each number.

1. What do think is the importance of using CSS buttons?

2. How will you use the knowledge you acquired in this module?

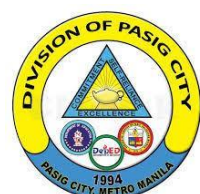




POST TEST

Instruction: Select the letter that corresponds to the correct answer.

1. A property that can have the value of "1s".
 - A. border-radius
 - B. transition-duration
 - C. box-shadow
 - D. cursor
2. A property that can have the value of "not-allowed".
 - A. border-radius
 - B. transition-duration
 - C. background-color
 - D. cursor
3. A property that can have the value of "#4CAF50"
 - A. border-radius
 - B. transition-duration
 - C. background-color
 - D. cursor
4. A property that can have a value of "block".
 - A. float
 - B. display
 - C. right
 - D. screen
5. A property that can have a value of "left".
 - A. float
 - B. display
 - C. right
 - D. screen





KEY TO CORRECTION

5. C	5. A
4. B	4. B
3. A	3. C
2. D	2. D
1. A	1. B
Pre-test:	Post-test:

REFERENCES

- Accessed September 16, 2020 11:00Am <https://www.w3schools.com>
- Accessed September 16, 2020 1:30pm <https://www.tutorialrepublic.com>
- Accessed September 16, 2020 12nn
<https://www.webascender.com/blog/website-button-trends-web-design/>

