Republic of the Philippines
BOHOL ISLAND STATE UNIVERSITY
Magsija, Balilihan, 6342, Bohol, Philippines
Office of the College of Computing and Information Sciences
Balance | Integrity | Stewardship | Uprightness

Web Systems and Technologies

LABORATORY 1: Building a Basic Website with HTML and CSS

Introduction

Welcome to your very first PROF ELEC 2 Laboratory! In this lab, you should be able to create a well-structured website using HTML and CSS. This guide aims to provide you with a comprehensive understanding of the tasks you need to perform and ensure you have the necessary knowledge to succeed.

Objectives

This laboratory aims to assess students based on:

- Their understanding of the basic structure of an HTML document.
- Learn to use common HTML elements (e.g., headings, paragraphs, lists, images, links).
- Apply basic CSS styling to HTML elements (e.g., colors, fonts, margins, padding).
- Create a simple, well-structured webpage with basic layout and styling.
- Understand the importance of semantic HTML and clean coding practices.

Materials

- Computer with internet access
- Text editor (e.g., Notepad++, Sublime Text, VS Code)
- Web browser (e.g., Chrome, Firefox, Edge)

Expected Output

Create a **personal portfolio website** that includes the following sections:

- Header with a navigation menu.
- About Me section with a brief description and an image.
- Projects section showcasing at least three projects with descriptions and images.
- Contact section with a simple contact form.
- Footer with social media links.

Submission and Evaluation

1. Push your Lab 1 files to GitHub and create a free hosting of your website.
2. Evaluation criteria will include:
    - HTML structure and semantics.
    - CSS styling and responsiveness.
    - Overall design and aesthetic appeal.

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Laboratory Exercises Criteria

COMPONENT	DESCRIPTION	POINTS
Code Understanding		**15 POINTS**
Clarity	Questions pertaining to the code's functionality and overall performance were answered.	10 points
Structure	The code is logically organized and structured.	5 points
Functionality		**15 POINTS**
Correctness	The code produces the expected results, with minimal to no errors.	10 points
Completeness	The code covers all required features and tasks	5 points
Code Quality		**10 POINTS**
Efficiency	The code is optimized and efficient in its execution.	5 points
Readability	The code is readable and well-formatted.	5 points
Innovation and Creativity		**10 POINTS**
Originality	The code demonstrates creative and innovative approaches.	5 points
Comments	The code is well-commented and easy to understand.	5 points
TOTAL		**50 POINTS**

Deadline and Defense Details

Expected Defense Date: January 27, 2025, from 7:30 am to 10:30 am
Where: At RM 207
Who: BSIT 3C students, taking up the PROF ELEC 2 course