

UGANDA CHRISTIAN UNIVERSITY

FACULTY OF ENGINEERING, DESIGN AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND TECHNOLOGY

COURSE: Web and Mobile Application Development

ASSIGNMENT TITLE: Responsive Personal Portfolio Website

SUBMISSION DEADLINE:

Assignment Overview

This assignment serves as a wrap-up exercise for the **HTML**, **CSS**, and **Bootstrap** sections of the Web Programming course. You are required to design and develop a **responsive personal portfolio website** that demonstrates your web design and front-end development skills.

Learning Objectives

By the end of this assignment, you should be able to:

1. Apply **semantic HTML5** in building structured and accessible web pages.
2. Use **CSS3** for layout, color, typography, and page styling.
3. Implement **Bootstrap 5** components for responsiveness and visual appeal.
4. Develop a consistent, well-linked, and user-friendly website layout.

Assignment Requirements

General Description

You are required to create a **multi-page portfolio website** (at least 4 pages) to showcase your personal profile, skills, and sample projects.

Pages to Include

1. **Home Page** - Introduce yourself and include a navigation bar.
2. **About Page** - Describe your background, education, and technical skills.
3. **Projects Page** - Showcase at least 3 projects using cards or grid layouts.
4. **Contact Page** - Include a functional form (Name, Email, Message) and social links.

Technical Requirements

HTML

- Use **semantic HTML5 elements** (<header>, <nav>, <section>, <footer>, etc.).
- Include links between pages and an embedded image and video.
- Use **alt text** for images and proper indentation.

CSS

- Use an **external CSS file** for all custom styling.
- Apply **colors, typography, spacing, and hover effects**.
- Include at least one layout using **CSS Flexbox** or **CSS Grid**.

Bootstrap

- Integrate **Bootstrap 5** for layout and components such as:
 - Navbar with responsive collapse
 - Cards or a grid for projects
 - Buttons, badges, forms
 - Responsive spacing and alignment utilities



Responsiveness

Your website must:

- Adjust neatly to **mobile, tablet, and desktop** screens.
- Use either **Bootstrap's grid system** or **custom media queries** for responsiveness.

Bonus Features (Extra Marks)

- Scroll-to-top button using Bootstrap or JavaScript.
- Carousel or modal for showcasing projects.
- Smooth scrolling and subtle animations.
- Custom Bootstrap theme using modified variables.

Submission Guidelines

1. Submit your assignment to Moodle as a link to your GitHub.
2. The folder should contain:
 - All HTML, CSS, and asset files

- External libraries (if used)
- A short **README.md** file describing your design choices

3. Ensure that your project opens correctly in a browser and that all links work.

Marking Guide (100%)

Component	Description	Marks
HTML Structure & Navigation	Correct structure, semantic tags, page linking	20
CSS Design & Styling	Creativity, layout, color use, and neatness	20
Bootstrap Integration	Effective and responsive use of components	25
Responsiveness	Mobile and desktop compatibility	15
Code Quality	Indentation, comments, readability	10
Documentation & Organization	README file and folder organization	10
Total		100