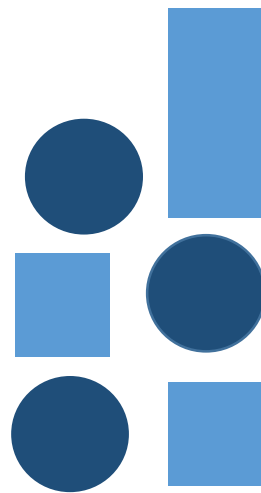


INTRODUCTION TO WEB DEVELOPMENT COURSE GUIDE

Course by: Kwagei Group
Presented by: Rudeen N. Zarwolo





COURSE OVERVIEW

Welcome to the Introduction to Web Development course! This guide outlines a structured plan to learn the fundamentals of HTML, CSS, and an introduction JavaScript over one month. With three learning sessions per week, each week focuses on a specific area, with daily tasks to ensure steady progress,

COURSE OBJECTIVES:

- Understand the basic structure and syntax of HTML and CSS.
- Learn to style web pages using CSS.
- Gain an introduction to JavaScript and its application in web development.
- Build web projects incorporating HTML, CSS, and JavaScript.
- Deploy web projects on GitHub for everyone to access.

DURATION:

1 Month (3 sessions weekly, 2hrs/session)

PREREQUISITE:

Basic computer skills

COURSE STRUCTURE:

The course is structured into four weekly modules, each consisting of three sessions. Each session includes lectures, hands-on labs, and assignments.

TOPICS COVERED

- HTML Basics
- CSS Basics
- Introduction to JavaScript
- GitHub & GitHub Pages



HTML Fundamentals

Week 1

Objectives:

- Learn the basics of HTML and its role in web development.
- Understand and use various HTML tags and elements.
- Create structured web pages with headings, paragraphs, lists, links, images, etc.

Overview:

This week will help students build a strong foundation on HTML5, leading them to use concepts learned for structuring web applications.

Topics Covered:

- Overview of web development
- Setting up the development environment (VS Code)
- HTML syntax and structure
- Basic tags and elements (headings, paragraphs, lists, links, images)
- Forms and input elements
- Semantic HTML5 elements (header, footer, article, section)

Weekend Assignment:

Create a product landing webpage using HTML



CSS Fundamentals

Week 2

Objectives:

- Understand the basics of CSS and its role in web design.
- Learn how to apply styles to HTML elements.
- Explore CSS properties for colors, typography, layout, and positioning.
- Develop skills to create responsive web designs.

Overview:

This week focuses on the fundamentals of CSS3, helping students to use CSS3 concepts for styling and building responsive web applications.

Topics Covered:

- CSS syntax and selectors
- Styling text and layout
- Flexbox and Grid
- Responsive design with media queries
- Basic CSS animations and transitions
- Chrome Dev Tools

Weekend Assignments:

Style and make responsive the product landing webpage created in week 1.



Introduction to JavaScript

Week 3

Objectives:

- Understand the basics of JavaScript, including syntax and operations.
- Learn how to manipulate the DOM using JavaScript and handle events.

Overview:

This week introduces students to JavaScript, the programming language of the web. Students will learn how to add interactivity to web pages they have created using JavaScript.

Topics Covered:

- JavaScript syntax and basic operations
- Variables, data types, and operators
- Conditional statements (if, else)
- Selecting and modifying DOM elements
- Event handling

Weekend Assignment:

Use JavaScript to make product landing page interactive



Review & Final Project

Week 4

Objective:

- Create an interactive website using HTML, CSS, and JavaScript.
- Deploy your application on GitHub for everyone to access.

Overview

During this week, students will work independently on a web project of their choice that covers everything they have learned throughout the course and deploy it on GitHub for everyone to access.

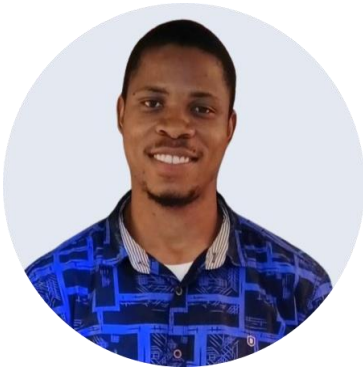
Topics Covered:

- Setting up GitHub
- Using GitHub
- Pushing Local Repository to GitHub
- Deploying with GitHub Pages

Weekend Assignment:

Deploy your final web project on GitHub for everyone to have access.

Teacher Profile



Name: Rudeen N. Zarwolo

Title: Software Developer & Educator

Contact: 0777-967-844 / 0888-441-524 / rudeenzarwolo04@gmail.com

Bio:

Rudeen N. Zarwolo, a software developer with over 7 years of experience, specializes in Fullstack Web development and is dedicated to teaching and mentoring aspiring developers.

Experience:

- Software Developer at Kwagei group: 2019 – 2021
- Web Development instructor at Rhotel Innovation Center: 2021
- Software Developer at Tamma Corporation: 2021 - 2023
- Web Development instructor at the B.W. Harris Episcopal High School: 2022 - present

Education:

Student - Bachelor of Science in Computer Science
University of the People (online education university), USA

Certifications:

- Introduction to computer science – HarvardX CS50
- Introduction to computer science and programming using Python – MITx
- Web Design - FreeCodeCamp