

061306T4CSC

COMPUTER SCIENCE LEVEL 6

ICT/OS/CS/CR/10/6/A

DEMONSTRATE WEB DESIGN SKILLS

NOV/DEC 2023



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL
(TVET CDACC)**

PRACTICAL ASSESSMENT

TIME: 3 Hours

INSTRUCTIONS TO CANDIDATE

1. In this assessment, you will be required to perform the following task
 - **TASK:** Develop a web application
2. The task has specific instructions.
3. The task carries 90 marks.
4. You have Ten minutes to carefully read through the instructions and check availability of resources for the practical.
5. The assessor will record your performance at critical points using audio-visual mean

You have been provided with the following resources

- i. A working computer with text editor
- ii. A web browser

TASK

In this practical, you are required to develop a simple image gallery web page using HTML and JavaScript. The gallery will allow users to click on thumbnail images to view them in a larger size as a modal popup.

You are required to perform the following tasks

- i. Set up the HTML Structure.
- ii. Create a HTML document
- iii. Add HTML Content
- iv. Add attributes to HTML document
- v. Format a web page using CSS to change font and color. Link the CSS file to the HTML document.
- vi. Add JavaScript for Interactivity
- vii. Use JavaScript to change HTML elements
- viii. Demonstrate event handling in JQuery
- ix. Test Your Web Page using the following:
 - a) Manual functional Testing
 - b) Cross-browser Testing
 - c) Responsive Design Testing
 - d) Accessibility Testing
 - e) Performance Testing

THIS IS THE LAST PAGE.