

KIMABU NATIONAL POLYTECHNIC



COMPUTER SCIENCE LEVEL 6

UNIT: DEMONSTRATE WEB DESIGN

UNIT CODE: ICT/OS/CS/CR/10/6/A

TIME: 2 Hours

INSTRUCTIONS:

1. *Read all instructions carefully*
2. *This is a practical test. Perform all tasks as instructed.*
3. *Save all your files in a folder named **WebDesign_Practical_[YourName]***
4. *If your folder is not named as above, no marks will be allocated.*
5. *Ensure all external files (CSS and JavaScript) are correctly linked.*
6. *Upload or submit the entire folder when done.*
7. *Send a zipped Compressed folder to **gabqmb@gmail.com** by 12 November 11:59AM*
8. *Total Marks: 30*

QUESTION 1: Web Page Design using HTML (10 Marks)

Task:

Create a **web page** for a local bakery called **SweetBite Bakery** with the following specifications:

1. The page should have a **header section** with the bakery name and a slogan (e.g., *Freshness in Every Bite!*).
2. Include a **navigation bar** with links: *Home*, *About Us*, *Products*, and *Contact*.
3. Add a **main content area** with:
 - o A short description of the bakery (2–3 sentences).
 - o An **unordered list** of bakery products (at least five items).
 - o An **image** representing the bakery or products.
4. Add a **footer** with copyright information and contact email.
5. Use proper HTML structure with `<head>`, `<title>`, and `<body>` tags.

Save the file as: `index.html`

Marks Allocation (10 marks):

- Correct structure and use of semantic tags – 3 marks
- Navigation bar and links – 2 marks
- Proper use of lists, image, and text content – 3 marks
- Footer and completeness – 2 marks

QUESTION 2: Styling with External CSS (10 Marks)

Task:

Create an **external CSS file** to style your bakery page created in Question 1.

1. Set the **background color** of the page to a light cream (#FFF8E7).
2. The **header** text should be centered and use a font of your choice (e.g., Georgia, serif).

3. The **navigation bar** should have a background color (e.g., brown) with white links that change color when hovered.
4. The **main content area** should have:
 - o Text color dark brown (#4B2E05).
 - o Product list styled with square bullets.
5. The **footer** should have smaller text and be centered.

Save the file as: `style.css` and link it properly in your HTML file.

Marks Allocation (10 marks):

- Correct external linking and structure – 2 marks
- Background, header, and navigation styling – 3 marks
- Main content and list styling – 3 marks
- Footer styling and completeness – 2 marks

QUESTION 3: JavaScript (Decision-Making) (10 Marks)

Task:

Add a **JavaScript file** that interacts with the user to determine **discount eligibility** based on their purchase amount.

1. When the user opens the page, prompt them to **enter the total purchase amount**.
2. Use a **decision-making structure (`if...else`)** to determine the discount:
 - o If the amount is **greater than or equal to 1000**, show an alert saying:
“You are eligible for a 10% discount!”
 - o Otherwise, show:
“Spend KSh 1000 or more to get a discount.”
3. Display the amount entered and the discount message dynamically on the web page (below the product list).

Save the file as: `script.js` and link it properly to your HTML file.

Marks Allocation (10 marks):

- Correct linking and script placement – 2 marks
- Proper use of `prompt()` and `alert()` – 3 marks
- Correct use of `if...else` structure – 3 marks
- Displaying message/output on the page – 2 marks

TOTAL: 30 Marks

Component	Description	Marks
HTML	Web page structure and content	10
CSS	External styling	10
JavaScript	Interactivity and decision-making	10
TOTAL		30 Marks