**MODCOM INSTITUTE OF TECHNOLOGY**

CLASS: APPLE

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TASK: ASSIGNMENT ONE

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1. What is the difference between HTML, CSS and JavaScript?

HTML (Hypertext Markup Language) is a programming language used to create content on a webpage or website. It also creates the basic structure of a website.

CSS (Cascading Style Sheets) is not a programming language but a special kind of commands used alongside HTML to enhance the design of a webpage or website. The color, borders, navigation and hovering style are all part of CSS.

JavaScript on the other hand is responsible for any animation within the website. Animations includes how images or text popup or smooth flow from one section to another.

1. Find any website explain what the website is doing? Any feature you like from the website.

<http://ababunamwamba.com> This is a personal-profile website of a politician in Kenya. The overall simple layout and the design intrigues me.

On the home page, the use of opacity has been well and uniquely placed.

The navbar on the homepage has 2 sections. Something rare in most websites.

Use of carousel to display more links and information as you go down the homepage.

His biography, has been made so simple to go through and access.

When you go to the photo gallery, its easy to click a certain photo you are interested in and it zooms.

1. What are qualities of a Good website.

Secure. Security is one of the major pillars in any sector today. A website must not be prone to unauthorized intrusion. Passwords are important when accessing vital sectors in a website like personal accounts and use of SSL (Secure Sockets Layer) encryption which establishes secure encrypted link between web-server and client(browser).

Scalability. Any good website should not be easily affected by the number of people accessing it especially if it increases to an abnormal figure. Smooth incorporation of other features to the website in future is also a characteristic of good website.

Easy usability. Any website must be easy for the client to use. Most of them didn’t take part in the design of the website so the designers must ensure that a first-time user is able to navigate through and does whatever he/she wants.

Optimization. Any good website can be supported by various different devices, whether mobile phones, old or modern browsers. This makes its availability and accessibility by the client easier.

Performance. This is key. Any good website must be able to load fast. A client should be able to get feedback as soon as he/she initiates a command to it.

Functional. Any website has a specific purpose. The website must meet the objectives it was meant for.

1. What are Entities in HTML. Give an Examples.

Entities is a text that begins with an ampersand (&) and ends with a semicolon (;). They display certain reserved or invisible characters which would have been interpreted as HTML code.

Examples are; copyright symbol (©) is inserted by writing &copy;

Less than symbol (<) is inserted by writing &lt;

More than symbol (>) is inserted by writing &gt;

Quotes symbol (“) are inserted by writing &quot;

Single quotes (‘) is inserted by writing &apos;

Registered trademark (®) is inserted by writing &reg;

Euro (€) is inserted by writing &euro;

1. How do you place a video in HTML? Write the code.

<video width="400" height="250" controls>

<!--Insert the location of the video and type of the video -->

<source src="videos/movie.mp4" type="video/mp4">  
</video>

1. How do you embed a YouTube video in HTML? Write the code.

For a YouTube video the code is different.

<iframe width="400" height="300"

<!--Insert the url of the video-->

src="https://www.youtube.com/embed/tgbNymZ7vqY">

</iframe>

1. How do you put a Google Map on HTML Page?

First go to google maps website. Identify the location you want to appear on your website. Then embed the map while changing its size depending on how big or small you want it to look like. Once you embed the map, a copy the link that will be generated and paste it in the HTML page where you want it to appear on the website. The code you generate will look like the one below.

<iframe src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d15955.375869658192!2d36.78918957710272!3d-1.266275068557875!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x182f1739fecabbff%3A0x3c71b10e5ded272e!2sVilla+Rosa+Kempinski+Nairobi!5e0!3m2!1sen!2ske!4v1518163748994" width="400" height="300" frameborder="0" style="border:0" allowfullscreen>

</iframe>