

**THE STATE UNIVERSITY OF ZANZIBAR**

**DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY.**

**Prepared by:**

|  |  |
| --- | --- |
| FULL NAME | REGISTRATION NUMBER |
| KHADIJA MAULID KHAMIS | BCS/18/23/012/TZ |

**TO:**

**MR MASOUD HAMAD MMANGA**

**INDEX.HTML**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>My Web Page</title>

<link rel="icon" type="image/x-icon" href="images/logo.jpeg">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<ul>

<li><a href="form.html"> Form</a></li>

<li><a href="Bootstrap.html">Bootstrap</a></li>

</ul>

<link rel="stylesheet" href="style.css">

<!-- Task 2: Headings, Paragraphs, HR, BR -->

<h1>Welcome to My Web Page</h1>

<h2>I am khadija</h2>

<h3>From computer science</h3>

<h4>I am Learning HTML5</h4>

<h5>This is my first assignment</h5>

<h6>This is my first web page</h6>

<p>This paragraph gives you a brief intro about the page.</p>

<hr>

<p>This is a second paragraph.<br>

And this line starts after a line break.</p>

<!-- Task 3: Lists -->

<h2>My Top 5 Favorite Books</h2>

<ol>

<li>Hawa the bus driver</li>

<li>Mabala the farmer</li>

<li>Dietel c++</li>

<li>History of Zanzibar</li>

<li>Know your religion</li>

</ol>

<h2>My Top 5 Hobbies</h2>

<ul>

<li>Reading story books</li>

<li>playing basketball</li>

<li>Eating</li>

<li>Dancing</li>

<li>Chatting with friends</li>

</ul>

<!-- Task 4: Images with alt text -->

<h2>My Favorite Images</h2>

<img src="images/logo.jpeg" alt="suza logo" width="200">

<img src="images/img.jpeg" alt="linkedin" width="150">

<!-- Task 5: Links -->

<h2>Useful Links</h2>

<p>

Visit <a href="https://www.suza.ac.tz" target="\_blank">suza</a><br>

Watch videos on <a href="https://www.w3schools.com" target="\_blank">w3schools</a><br>

Learn code at <a href="https://www.whatsapp.com" target="\_blank">whatsapp</a>

</p>

<h2>Part 1 challenge</h2>

<table style="width: 100;" border="1px black">

<tr>

<th>Day</th>

<th>Morning</th>

<th>Evening</th>

</tr>

<tr>

<td>Monday</td>

<td>Exercise</td>

<td>Swimming</td>

</tr>

<tr>

<td>Tuesday</td>

<td>cooking</td>

<td>Physical Activity</td>

</tr>

<tr>

<td>Wednesday</td>

<td>Teaching</td>

<td>Programming</td>

</tr>

<tr>

<td>Thursday</td>

<td>Travelling</td>

<td>Personal Projects</td>

</tr>

<tr>

<td>Friday</td>

<td>Cleaning</td>

<td>Baking</td>

</tr>

</table>

<h2>The purpose of head</h2>

<p>The purpose of the head is to provide information about the web page behavior, appearance and visibility</p><br>

<h3>The reason Why use semantic tags like section, article, and footer </h3>

<p>Semantic tags improve code readability, accessibility and organise web content in a meaningfull way</p><br>

<h1>PART 2: UNDERSTANDING AND EXPLORING THE DOM</h1>

<P>HTML source file is the raw code written by a developer and saved as an .html file while<br> DOM is a structured representation of a webpage that the browser creates from HTML</P><br><br>

<p>When you modify DOM nodes in the browser developer tools changes only happen in the live <br>

representation of the webpage, but do not change the original HTML source file</p>

<h2 id="main-title">Read more</h2>

<div class="box">

<p>This is a CSS class.</p>

</div>

<a href="hover style">Hover over me</a>

<p>Inline CSS is applied directly within HTML elements by using style attribute that affect the specific element</p><br>

<p>Internal CSS is written inside the sytle tag in html which is used to style multiple elements within the same file</p>

<p>External CSS is written in a separate file of .css that is linked to html document</p><br>

<p>Conflicting styes are resolved using specificity, inheritance and cascade order</p>

<h2>Part 5</h2>

<div class="navbar">my navbar</div>

<p>Responsive design is a web development that ensures website adapt to different screen size and devices that provide optimal view experience</p>

<p>Mobile-first design is a best practice because it prioritize usability on small screen, ensuring that websites and applicationa<br>

are optimized for mobile devices before scalling up to larger screens</p>

</body>

</html>

FORM.HTML

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Form</title>

</head>

<body>

<h2>Form</h2>

<form action="submit.php" method="post" enctype="multipart/form-data">

<fieldset>

<label for="name">Name:</label>

<input type="text" id="name" name="name" required><br><br>

<label for="email">Email:</label>

<input type="email" id="email" name="email" required><br><br>

<label for="password">Password:</label>

<input type="password" id="password" name="password" required><br><br>

<label>Gender:</label><br>

<input type="radio" name="gender" value="male" required> Male<br>

<input type="radio" name="gender" value="female"> Female<br>

<input type="radio" name="gender" value="other"> Other<br><br>

</fieldset>

<fieldset>

<input type="checkbox" name="interests" value="coding"> Coding<br>

<input type="checkbox" name="interests" value="music"> Music<br>

<input type="checkbox" name="interests" value="sports"> Sports<br><br>

</fieldset>

<fieldset>

<legend>More Information</legend><br>

<label for="country">Country:</label>

<select id="country" name="country" required>

<option value="">Select your country</option>

<option value="Tanzania">Tanzania</option>

<option value="Kenya">Kenya</option>

<option value="Uganda">Uganda</option>

<option value="Tanzania">Malawi</option>

<option value="Kenya">Zimbabwe</option>

<option value="Uganda">Canada</option>

</select><br><br>

<label for="profile">Upload Profile Picture:</label>

<input type="file" id="profile" name="profile" accept="Images"><br><br>

<input type="submit" value="Submit Form">

</fieldset>

<p>The difference between GET and POST is that GET is used to request data from server but POST is used to send data to the server</p><br><br>

<p>If required fields are empty upon submission, the browser, server or JavaScript validation may prevent submission and show an error<br>

ensuring that the necessary data is entered before processing form</p>

</form>

</body>

</html>

BOOTSTRAP.HTML

<!DOCTYPE html>

<html lang="en">

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<title>Form</title>

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<body>

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<fieldset>

<label for="name">Name:</label>

<input type="text" id="name" name="name" required><br><br>

<label for="email">Email:</label>

<input type="email" id="email" name="email" required><br><br>

<label for="password">Password:</label>

<input type="password" id="password" name="password" required><br><br>

<label>Gender:</label><br>

<input type="radio" name="gender" value="male" required> Male<br>

<input type="radio" name="gender" value="female"> Female<br>

<input type="radio" name="gender" value="other"> Other<br><br>

</fieldset>

<fieldset>

<input type="checkbox" name="interests" value="coding"> Coding<br>

<input type="checkbox" name="interests" value="music"> Music<br>

<input type="checkbox" name="interests" value="sports"> Sports<br><br>

</fieldset>

<fieldset>

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<option value="Kenya">Zimbabwe</option>

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</select><br><br>

<label for="profile">Upload Profile Picture:</label>

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</form>

</body>

</html>

STYLE.CSS

body {

font-family: Arial, sans-serif;

background-color: blueviolet;

color: black;

padding: 20px;

text-align: left;

}

h2 {

color: blue;

font-size: 28px;

font-family: sans-serif;

text-align: center;

margin-top: 30px;

margin-bottom: 20px;

background-color: white;

padding: 10px 0;

border-radius: 8px;

}

a:hover, button:hover {

background-color: blanchedalmond;

color: white;

cursor: pointer;

}

img {

width: 100%;

height: 300px;

max-width: 300px;

}

@media (max-width: 600px) {

body {

background-color: white;

font-size: 16px;

}

.navbar {

display: none;

}

}

.navbar {

background: pink;

color: white;

padding: 10px;

text-align: center;

}

@media (max-width: 600px) {

.navbar {

display: none;

}

}