**CSD 1104 (Quizzes 2&3&4) -Fall 2023**

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**Instructions:** Create a web page using HTML and CSS to complete the following tasks. Please provide comments in your code to explain your thought process and the purpose of each section.

**Question 1: Basic HTML Structure** Create a simple HTML file that includes the following elements:

* A title for your webpage.
* A heading (h1) that says "Welcome to My Web Page."
* A paragraph of text that introduces yourself.
* An unordered list (ul) with three items of your favorite hobbies.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

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

    <title>My Webpage</title>

</head>

<body>

    <div class="container">

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

        <p>

            My name is Bandana Pachabhaiya Magar. I am an enthusiastic and determined individual with a passion for continuous learning and personal growth. Creativity fuels my spirit, and I find immense joy in exploring various forms of artistic expression, from knitting something new to cooking something new. Connecting with new people and understanding their unique perspectives fascinate me. I enjoy spending my free time with my family talking about our life. Sometimes I like to go hiking with my close ones.

        </p>

    <ul>

        <li>Cooking</li>

        <li>Knitting</li>

        <li>Hiking</li>

    </ul>

</div>

</body>

</html>

**Question 2: CSS Styling** Add CSS styles to your HTML page to make it visually appealing. Customize the following:

* Change the background color of the entire page.
* Style the heading to have a different font, text color, and a border.
* Apply a different font family to the paragraph.
* Add a background color and text color to the list items.

/\* Css to change body background color \*/

body{

    font-family: Arial, Helvetica, sans-serif;

    margin: 0;

    padding: 0;

    background-color: aqua;

}

/\* Css to fit the contain in a container \*/

.container{

    width: fit-content;

    padding: 20px;

}

/\* Css to change header font, color and border \*/

h1{

    font-family: Georgia, 'Times New Roman', Times, serif;

    color: brown;

    padding-bottom: 10px;

    border-bottom: solid 2px brown;

}

/\* Css to change paragraph font family \*/

p{

    font-family: 'Times New Roman', Times, serif;

    color: red;

}

ul{

    list-style: none;

    padding-left: 0;

}

/\* Css to chage list items backgroung color and color \*/

ul li{

    background-color: brown;

    color: #fff;

    padding: 10px;

}

**Question 3: Image and Link** Add an image of your choice to the web page, and make it clickable. When clicked, it should navigate to your favorite website. Additionally:

* Add a caption or alt text to describe the image.

    <a href="https://youtube.com/" target="\_blank">

        <img src="youtube.png" alt="youtube">

    </a>

* Style the link so that it changes color when hovered over.

a:hover img{

    filter: grayscale(100%);

}

**Question 4: Creating a Form** Create an HTML form that includes:

* Text input for the user's name.
* Radio buttons for selecting gender (male, female, other).
* A dropdown (select) for selecting a country.
* Checkboxes for selecting multiple programming languages (e.g., HTML, CSS, JavaScript).
* A submit button to submit the form.

    <form action="">

        <div>

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

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

        </div>

        <div>

            <label>Gender:</label>

            <input type="radio" id="male" name="gender">

            <label for="male">Male</label>

            <input type="radio" id="female" name="gender">

            <label for="female">Female</label>

            <input type="radio" id="other" name="gender">

            <label for="other">Other</label>

        </div>

        <div>

            <select name="" id="">

                <option value="nepal">Nepal</option>

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

                <option value="india">India</option>

                <option value="sriLanka">SriLanka</option>

                <option value="afganistan">Afganistan</option>

                <option value="pakistan">Pakistan</option>

            </select>

        </div>

        <div>

            <input type="checkbox" id="html" name="languages" value="html">

            <label for="html">HTML</label>

            <input type="checkbox" id="css" name="languages" value="css">

            <label for="css">CSS</label>

            <input type="checkbox" id="javascript" name="languages" value="javascript">

            <label for="javascript">JavaScript</label>

        </div>

        <div>

            <button type="submit">Submit</button>

        </div>

    </form>

Style the form elements to improve the user interface.

/\* Css for form items \*/

form{

    background-color: #ffffff;

    padding: 20px;

    border-radius: 10px;

    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

form div{

    margin-bottom: 20px;

}

form label{

    font-weight: bold;

}

form input[type="text"],

form select{

    width: 100%;

    padding: 8px;

    font-size: 16px;

    border: 1px solid #ccc;

    border-radius: 5px;

}

form input[type="radio"],

form input[type="checkbox"]{

    margin-right: 10px;

}

form button[type="submit"]{

    background-color: #4caf50;

    color: #ffffff;

    border: none;

    padding: 10px 20px;

    font-size: 18px;

    cursor: pointer;

    border-radius: 5px;

}

form button[type="submit"]:hover{

    background-color: brown;

}

**Question 5: Responsive Design** Make your webpage responsive to different screen sizes. Implement the following:

* Use media queries to adjust the layout and styles for screens smaller than 600px wide.
* Ensure that the page elements adapt gracefully to different screen sizes, such as by using flexbox or grid layout.

/\* Media query for screens smaller than 600px \*/

@media(max-width: 600px) {

    ul li{

        display: flex;

        justify-content: center;

    }

}

**Submission:** Submit a zip file containing your HTML and CSS files. Make sure your code is well-structured and commented for easy evaluation. Include a readme.txt file with any additional instructions or notes.

**Grading Criteria:** Your assignment will be evaluated based on the following criteria:

* Correctness of HTML and CSS code.
* Visual appeal and creativity in styling.
* Proper use of HTML elements.
* Responsiveness to different screen sizes.
* Code organization and comments