**UNIT 2 Lab – HTML Basics**

**Apply Your Knowledge**

**1. Predict the Result.** Sketch out and briefly describe the web page that will be created with the following HTML code:

<!DOCTYPE html>

<html lang="en">

<head>

<title>Predict the Result</title>

<meta charset="utf-8">

</head>

<body>

<header><h1><i>Favorite Sites</i></h1></header>

<main>

<ol>

<li><a href="http://facebook.com">Facebook</a></li>

<li><a href="http://google.com">Google</a></li>

</ol>

</main>

<footer>

<small>Copyright &copy; 2016 Your name here</small>

</footer>

</body>

</html>

**2. Fill in the Missing Code**. The web page defined by the given code should display a heading and a description list, but some HTML tags, indicated by <\_>, are missing. Fill in the missing code.

<!DOCTYPE html>

<html lang="en">

<head>

<title>Door County Wildflowers</title>

<meta charset="utf-8">

</head>

<body>

<header><h1>Door County Wild Flowers</h1></header>

<main>

<dl>

<dt>Trillium</dt>

<dd>This white flower blooms from April through June in wooded areas.</dd>

<dt>Lady Slipper</dt>

<dd>This yellow orchid blooms in June in wooded areas.</dd>

</dl>

</main>

</body>

</html>

**3. Find the Error**. All the text on the web page defined by the given code displays in large

and bold font typeface. Explain why this is happening.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<title>My Web Page</title>

</head>

<body>

<h1>My Web Page</h1>

<p><a href="http://google.com">google/page</a></p>

<p>This is my web page.</p>

</body>

</html>

**Hands-On Exercises**

• Write the HTML to display your name with the largest heading element.

• <h4> Svetlana </4>

• Write the HTML to create an absolute link to your school’s website.

• <a href="http://myshool.com">in Lithuania</a>

•

• Write the HTML for an unordered list to display the days of the week.

• <ul>

• <li>Monday</li>

• <li>Tuesday</li>

• <li>Wednesday</li>

• <li>Thursday</li>

• <li>Friday</li>

• <li>Saturday</li>

• <li>Sunday</li>

• </ul>

•

• Write the HTML for an ordered list that uses uppercase letters to order the items. This ordered list should display the following terms: HTML, XML, and XHTML.

• **<ol type="A">**

**• <li>HTML</li>**

**• <li>XML</li>**

**• <li>XHTML5</li>**

**• </ol>**

•

• Think of a favorite quotation by someone you admire. Write the HTML code to display the person’s name in a heading and the quotation in a blockquote element.

• **<h2>Person’s Lana</h2>**

**• <blockquote>**

**• «Im happy everyday»**

**• </blockquote>**

• Modify the following code snippet to indicate that the term “site map” should have strong importance:

**<p>A diagram of the organization of a website is called a <strong>site map</strong>.**

**A <strong>site map</strong> represents the structure, or organization, of pages in**

**a website in a visual manner. Creating the <strong>site map</strong> is one of the**

**initial steps in developing a website.</p>**

•<p>A diagram of the organization of a website is called a <strong>site map</strong>.

A <strong>site map</strong> represents the structure, or organization, of pages in

a website in a visual manner. Creating the <strong>site map</strong> is one of the

initial steps in developing a website.</p>

Modify the blockquote.html web page you created in Hands-On Practice 2.5. Config- ure the URL http://www.w3.org/WAI/ as a hyperlink. Save the file as blockquote2.html. <blockquote>

• "Your quotation here."

• <a href="http://www.w3.org/WAI/">W3 WAI</a>

• </blockquote>

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• Create a web page that uses a description list to display three network protocols (see Chapter 1) and their descriptions. Include a hyperlink to a website that provides infor- mation about the protocols. Add an appropriate heading to the page. Save the page as network.html.

• <!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Network Protocols</title>

</head>

<body>

<h1>Network Protocols</h1>

<dl>

<dt>HTTP (Hypertext Transfer Protocol)</dt>

<dd>HTTP is used for transferring web pages on the internet.</dd>

<dt>FTP (File Transfer Protocol)</dt>

<dd>FTP is used for transferring files over the internet.</dd>

<dt>TCP (Transmission Control Protocol)</dt>

<dd>TCP is used for communication between computers on the internet.</dd>

</dl>

<p>For more information, visit <a href="https://en.wikipedia.org/wiki/List\_of\_network\_protocols\_(OSI\_model)">Wikipedia</a>.</p>

</body>

</html>

• Create a web page about your favorite musical group. Include the name of the group, the individuals in the group, a hyperlink to the group’s website, your favorite three (or fewer if the group is new) CD releases, and a brief review of each CD.

• Use an unordered list to organize the names of the individuals.

• Use a description list for the names of the CDs and your reviews.

Save the page as band.html.

• <!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Favorite Band</title>

</head>

<body>

<h1>Russ Band</h1>

<ul>

<li>Ivan Ivanov</li>

<li>Sergey Petrov</li>

<li>Natalia Sidorova</li>

</ul>

<p>Official Website: <a href="http://russband.com/">Russ Band Website</a></p>

<dl>

<dt>The Russian Soul (2022)</dt>

<dd>A breathtaking journey into the depth of Russian music, exploring folk and contemporary genres.</dd>

<dt>Motherland Echoes (2020)</dt>

<dd>A beautiful mix of traditional instruments with modern sound, echoing the voices of the ancestors.</dd>

<dt>From Russia with Love (2018)</dt>

<dd>A tribute to the classic Russian music, reimagined for the 21st century.</dd>

</dl>

</body>

</html>

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• Create a web page about your favorite recipe. Use an unordered list for the ingredients and an ordered list to describe the steps needed to prepare the food. Include a hyper- link to a website that offers free recipes. Save the page as recipe.html.

• <!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Favorite Recipe</title>

</head>

<body>

<h1> chicken casterrole </h1>

<ul>

<li>1 cup unsalted butter</li> <li>1 cup chopped carrots</li>

<li>1 cup peas</li>

<li>2 cups cooked chicken, chopped</li>

<li>1 cup chicken broth</li>

<li>1 teaspoon salt</li>

<li>1 teaspoon black pepper</li>

<li>1 teaspoon garlic powder</li>

</ul>

<ol>

<li>Preheat your oven to 375°F (190°C).</li>

<li>Peel and chop the potatoes and carrots.</li>

<li>In a large pan, melt the butter and sauté the chopped vegetables until tender.</li>

<li>Add the cooked chicken, chicken broth, salt, pepper, and garlic powder to the pan and mix well.</li>

<li>Transfer the mixture to a baking dish and bake in the preheated oven for 30-40 minutes until bubbling and golden brown.</li>

</ol>

<p>Enjoy your delicious chicken casserole!</p>

<p>For more amazing recipes, visit <a href="http://allrecipes.com/">All Recipes</a>.</p>

</body>

</html>