COMP 9782 Programming Fundamentals

Lab-2-1 - HTML fundamental hands-on exercises. (8% of the course mark)

Name:

Student Number:

HTML Labs is a hands-on lab designed to teach the fundamentals of HTML (Hypertext Markup Language), the backbone of web development. The series of tasks will allow the students to practice and reinforce the HTML concepts covered in class.

Lab objectives:

1. Gain a solid understanding of HTML syntax, elements, and attributes.
2. Learn how to create well-organized and semantically correct web pages.
3. Learn to create forms for user input and data submission.

Lab Prerequisite:

1. **Download** and **extract** the **Lab-2-1.zip** file from **D2L**.
2. **Navigate** to the **directory** where the **files** were **extracted**.
3. **Rename** the **files (HTML** and **CSS)** and **append** your **first name** and **last name** at the **beginning** of the file.

From	To
- Calendar_Template.html - Calendar_Template.css - PizzaOrdering_Template.html - PizzaOrdering_Template.css - Resume_Template.css - Resume_Template.html	- Yourfirstname_YourLastname_Calendar_Template.html - Yourfirstname_YourLastname_Calendar_Template.css - Yourfirstname_YourLastname_PizzaOrdering_Template.html - Yourfirstname_YourLastname_PizzaOrdering_Template.css

	- Yourfirstname_YourLastname_Resume_Template.css - Yourfirstname_YourLastname_Resume_Template.html

Where **Yourfirstname_YourLastname** is your actual **first name** and **last name**.

Resume to HTML Resume:

1. Review the resume template text file **Resume_Template.txt** to see the requirements.

2. On the **top** of the renamed **Resume_Template.html** and **Resume_Template.css** files from the **Lab Prerequisite** make sure you add **comments similar** to **Lab-1-2**.

3. Make the necessary changes on the renamed **Resume_Template.html** from the **Lab Prerequisite**. For example the **title tag text** needs to be relevant and the **stylesheet href** value should reflect the values from the **Lab Prerequisite**.

4. Add the **HTML content** to the renamed **Resume_Template.html** file from the **Lab Prerequisite** based on the **resume template text file** by using **VSCode**.

HTML Calendar:

1. On the **top** of the renamed **Calendar_Template.html** and **Calendar_Template.css** files from the **Lab Prerequisite** make sure you add **comments similar** to **Lab-1-2**.

2. Make the necessary changes on the renamed **Calendar_Template.html** from the **Lab Prerequisite**. For example the **title tag text** needs to be relevant and the **stylesheet href** value should reflect the values from the **Lab Prerequisite**.

3. Add the **HTML content** to the renamed **Calendar_Template.html** file from the **Lab Prerequisite** to match the sample output below.

September 2023						
Sun	**Mon**	**Tue**	**Wed**	**Thu**	**Fri**	**Sat**
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

4. Helpful Hints:

   a. The calendar needs at least **7 rows** and **columns**.

   b. The **first row** can be implemented with the use of **colspan**.

   c. The output is bolded and centered, this means **<th> tag** is used.

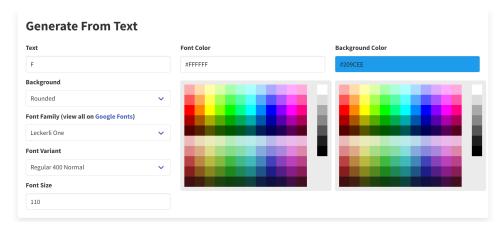   d. The weekend columns have **red** and **gray colors**, use the supplied stylesheet rule to apply the custom style.

Pizza Order Form:

1. On the **top** of the renamed **PizzaOrdering_Template.html** and **PizzaOrdering_Template.css** files from the **Lab Prerequisite** make sure you add **comments similar** to **Lab-1-2**.

2. Make the necessary changes on the renamed **PizzaOrdering_Template.html** from the **Lab Prerequisite**. For example the **title tag text** needs to be relevant and the **stylesheet href** value should reflect the values from the **Lab Prerequisite**.

3. Open the renamed **PizzaOrdering_Template.html** from the **Lab Prerequisite** via **VSCode**.

4. Look for: **<!-- Form start -->** and below copy the **form opening code**: **<form action="https://wp.zybooks.com/form-viewer.php" method="POST">**

5. Look for: **<!-- Form end -->** and below copy the **form closing code**: **</form>**

6. Look for: **<!-- Enter submit button here -->** and below copy the submit button code: **<input type="submit" class="buttonCustom" value="Place Order" />**

7. Add the **HTML content** to match the sample output below.

Favicon:

1. Navigate to: https://favicon.io/favicon-generator

2. Customize the favicon and click on download when done.

3. Locate the downloaded **zip file** and **extract**.

4. Copy the file **favicon-16x16.png** and paste it to the **same directory** as the lab **.html** files.

5. Open the **.html** files from the **Lab Prerequisite** using **VSCode** and look for **<link rel="stylesheet"**, below it add this code **<link rel="icon" href="favicon-16x16.png" />**

6. Open the **.html** files from the **Lab Prerequisite** to verify that the favicon is now added. Place a screenshot below showing the favicon.