

Week2 Tutorial

This tutorial includes Exercise2+Lab2. This tutorial is part of your assessment task 1. Please submit your completed work in ZIP format onto Moodle.

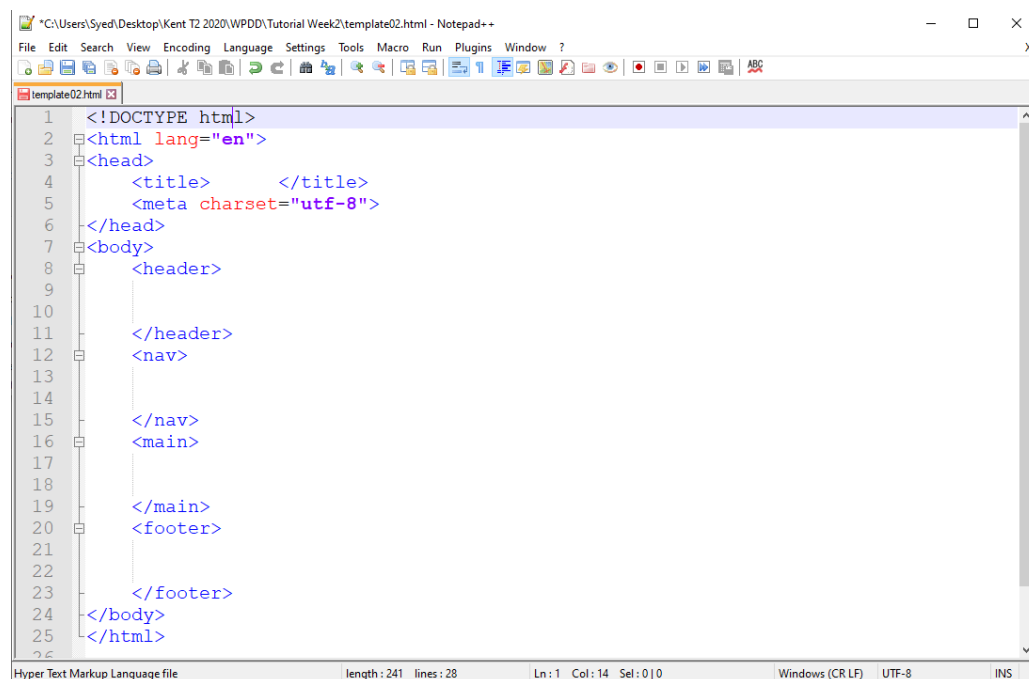
Note: Submit your ZIP file in your respective lecturer's tutorial submission link for marking and feedback.

Exercise2: Creating a Template with a Semantic Wireframe

Instructions: The page shown in Figure 2–1 contains the required HTML5 tags for all webpages as well as HTML5 structural tags for a basic, semantic wireframe. As you add content to your webpages, you should understand what each area of the wireframe represents and what type of content each section contains. In this exercise, you will use your HTML editor to enter the required HTML tags and semantic HTML5 structural tags to create a webpage template with a standard webpage wireframe. You will also use HTML comments to document where each section of the wireframe will appear on the webpage, as well as the type of content that is added to each section.

Perform the following tasks:

1. Open your HTML editor and enter the required HTML tags as shown in Lines 1–8 and Lines 25–26 in Figure 2–1. (Do not enter the comments.) Be sure to add indents as shown to make your code easy to read.



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <title>         </title>
5     <meta charset="utf-8">
6 </head>
7 <body>
8     <header>
9
10
11 </header>
12 <nav>
13
14
15 </nav>
16 <main>
17
18
19 </main>
20 <footer>
21
22
23 </footer>
24 </body>
25 </html>
26
```

Figure 2–1

2. Save the file as a Hyper Text Markup Language file with the name **template02.html**.
3. Using your favorite search engine, research the **title** element to answer the questions posed as a

comment between the <title>...</title> tags shown in Figure 2–1.

4. Replace the comment between the <title>...</title> tags in the template02.html file with the answer to those two questions. Enter the answer as an HTML comment. A sample answer for the <title>...</title> tags is shown in Figure 2–2. Use or modify that answer for your page.

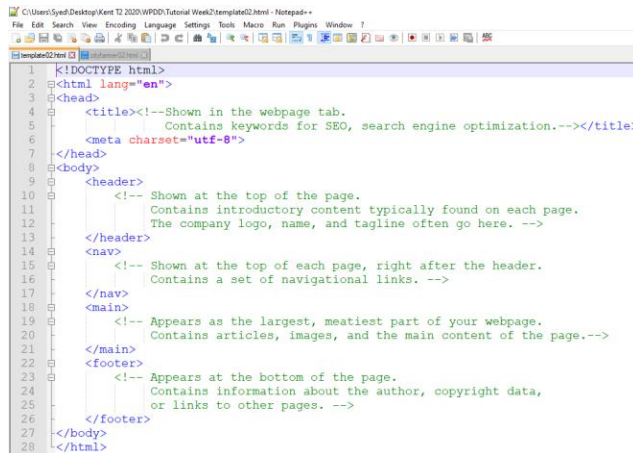


Figure 2-2

5. Open the **apply02.docx** Word document from your tutorial folder in Moodle, copy the address of the webpage you used to research the **title** element, and then paste it into the table. (A sample answer is already provided for the **title** element in the apply02 document as a guide. Replace it with the address you used.)

6. Repeat Steps 3, 4, and 5 to research the **header**, **nav**, **main**, and **footer** elements, the elements used to define the semantic wireframe.

a. In the template02.html document, replace the questions posed as comments for the **header**, **nav**, **main**, and **footer** elements with answers to the questions. Be sure that your answers are also coded as comments.

b. In the apply02.docx document, save the website address links used to answer each question.

7. In the template02.html document, review and check the spelling of your comments. Note that two questions are posed for each set of tags, so make sure that you have answered both questions. Also make sure that all of your answers are coded as HTML comments.

8. Validate the template02.html document using the W3C validator at validator.w3.org and fix any errors the validator identifies. Validation is complete when the validator returns the message “This document was successfully checked as HTML5!” in a green bar near the top of the webpage.

9. Submit the template02.html file in a format specified by your lecturer.

Week2 Lab: Creating a Home Page for Sydney Zoo

Problem: Sydney Zoo has many numbers of wild animals and has recently added some rare species p that they want to market through a website and have hired you to get started. Create the webpage shown in Figure 2–3 that contains the textual content that Sydney Zoo wants on their home page.

Instructions: Perform the following tasks:

1. Enter the required HTML tags as shown in Figure 2–3 and save the file with the name

Week2Tutorial.html

2. Make sure the <title>...</title> tags contain the text **Sydney Zoo home page**.

3. Delete the existing content in the body section, and add the content in the <header>, <nav>, <div id="main">, and <footer> sections as shown in Figure 2–3a.

4. Indent the code and content within the **head** and **body** sections to make each section distinct and readable.

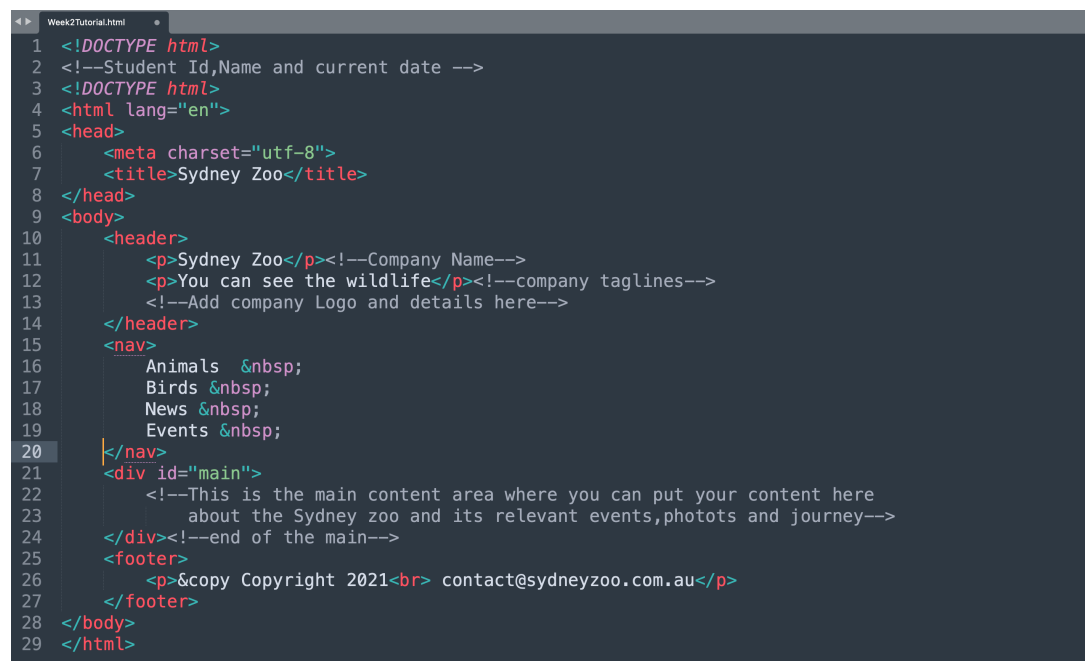
5. Add or modify the comment after the opening <!DOCTYPE html> statement to contain your id name and the current date.

6. Validate your code and fix any errors.

7. Check the spelling of the text so it matches the code in Figure 2–3a, (the appearance varies if you are using a different HTML editor).

8. Save and open the page within a browser as shown in Figure 2–3b.

9. Submit your assignment in the format specified by your lecturer.



```
1 <!DOCTYPE html>
2 <!--Student Id,Name and current date -->
3 <!DOCTYPE html>
4 <html lang="en">
5 <head>
6 <meta charset="utf-8">
7 <title>Sydney Zoo</title>
8 </head>
9 <body>
10 <header>
11 <p>Sydney Zoo</p><!--Company Name-->
12 <p>You can see the wildlife</p><!--company taglines-->
13 <!--Add company Logo and details here-->
14 </header>
15 <nav>
16 <a href="#">Animals &nbsp;  </a>
17 <a href="#">Birds &nbsp;  </a>
18 <a href="#">News &nbsp;  </a>
19 <a href="#">Events &nbsp;  </a>
20 </nav>
21 <div id="main">
22 <!--This is the main content area where you can put your content here
23 <!--about the Sydney zoo and its relevant events,photots and journey-->
24 </div><!--end of the main-->
25 <footer>
26 <p>&copy; Copyright 2021<br> contact@sydneyzoo.com.au</p>
27 </footer>
28 </body>
29 </html>
```

Fig: 2-3a Week2Tutorial.html in Sublime Text



Fig:2-3b Week2Tutorial.html in Web Brower