

HTML 2: EXERCISE COVER LECTURE 3 (HTML-PART2) CONTINUE FROM PART 1

Note:

This exercise **cover lecture 3**. Most of the code can be found in the lecture 3 slides.

Make sure you finish your **part 1** exercises before you proceed with this exercise as we will **re-use** some of the same element from **lab1**.

Task 1: Modify the lab1.html file to have few layout elements.

1. Using a code editor on your computer (e.g. NotePad++), copy a file name **lab1.html** rename it to **lab2.html** and save under **lab2** folder.
2. Open the **lab2.html** and add few layout elements to the files.
 - a. Example of layout elements is shown in the picture below. Your webpage can be different from the picture below. Picture below is just for your references. If you do not understand go back to the lecture slides.

**Note:**

- **<header>** - Defines a header for a document or a section
- **<nav>** - Defines a container for navigation links
- **<section>** - Defines a section in a document
- **<article>** - Defines an independent self-contained article
- **<aside>** - Defines content aside from the content (like a sidebar)
- **<footer>** - Defines a footer for a document or a section

3. Once you done with the **layout elements**, your page will look exactly the same with **lab1.html**.
4. Next add one extra **hyperlink** after the **Feedback link**. Add a hyperlink name **Register** which will link to **register.html**. See picture below

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Upcoming Events **<h2>**

Location	Topic
Kuching	JavaScript & jQuery
Sarikei	HTML & CSS

Posted by: Yourname

Contact information: yourEmailAddress@example.com.

<nav>

<article>

<section>

<aside>

<footer>

5. Alright. You done for **task 1**. Now move on to second task which is creating the **register.html**.

Task 2: Create register.html page.

1. Using a code editor on your computer (e.g. NotePad++), copy the file name **lab2.html** rename it to **register.html** and save under **lab2** folder.
2. Next **delete** the **content** that we **no longer use** so it will look like the picture below.



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Posted by: Hege Refsnes

Contact information: someone@example.com.

3. Next create a simple **form** just below the **navigation** code. Once you done, it will look like the picture below.



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Personal Details:

Name:

Email:

Date of birth:

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4. You may add few more form control elements such as **different input**, **selection of options** and **textarea**. Example is in the lecture slides.
5. Alright. You done with **task 2**.

Task 3: Add more functionality on the form

1. Using a code editor on your computer (e.g. NotePad++), open the file **register.html**.
2. Add more functionality on the form so it will look something like the picture below.

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Personal Details:

Name: *

Email: *

Date of birth:

Your unit

☐ COS10011 ☐ COS60004 ☐ COS60007

Your Tutor:

Issue

☐ HTML ☐ CSS ☐ JavaScript ☐ PHP ☐ MySQL

Description of Issue

Preferred Date/Time

Date:

Time:

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Annotations:

- Set the **required** attribute. **Name** and **Email** address should only have alphabetical characters allowed.
- Set at least one of the radio buttons to **required="required"**
- Set the first Tutor1 as **selected**
- Use the **placeholder** attribute to prompt the user
- Use the **pattern** attribute to ensure entered data matches the placeholder

3. Once you done, make sure you send it through the [W3C validator](#) and fix any issues it reports.
4. If there is no issues, zip all your files and submit through blackboard.

Task 4: Checking HTML is well-formed XML

1. Make a copy of your **lab2.html** rename it to **lab2.xml**.
2. Next make a copy of your **register.html** rename it to **register.xml**.
3. Next check all your **XML** file in your browser.
4. If you see something like in the picture below, meaning there is an issue with your **xml**. Solve it.

XML Parsing Error: mismatched tag. Expected: </br>.
Location: file:///C:/Users/Jeffery/Desktop/COS10011-Lab-2017/Lab2/lab2.xml
Line Number 14, Column 3:

```
</header>
--^
```

5. Once you **solve** all the **issues**, your page will show something like the picture below.

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
-<html>
- <head>
  <meta charset="utf-8"/>
  <title>COS10011 Creating Web Applications</title>
</head>
- <body>
  - <header>
    <!-- image creation -->
    
    <br/>
  </header>
  <!-- navigation creation -->
```

6. Alright. You done with all the task. Next lab we will be doing some **CSS**.
7. If everything is done and no errors, **ZIP** the file and submit through blackboard.