Lesson 08B

Section A – HTML

**Exercise 4**

**A picture containing text, office supplies, pen, stationery

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1. Create a file named “L08\_Exercise4.html”.

Open and copy the code from “L08\_ Exercise3.html” into “L08\_Exercise4.html”.

Imagine that playing games is a hobby of yours.

Modify the code in “L08\_Exercise4.html” to accomplish the following 2 tasks:

* Add the “Playing games” text under the “My hobbies are” section
* Turn all the hobbies listed under the “My hobbies are” section into an UNORDERED LIST of hobbies.

It should look something like this:

A screenshot of a computer

Description automatically generated

Paste the code into your worksheet.

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>    <title>Exercise 1</title>  </head>  <body>      <h1>My Webpage</h1>    <p>      Hi I'm Ying Xuan! Welcome to my webpage.    </p>    <img src="Anonymous.jpg" alt="Anonymous">    <p>     You can connect with me at my <a href="https://www.instagram.com">Instagram</a> account!    </p>    <h2>My hobbies are</h2>    <ul>      <li>Playing with my cat</li>      <li>Playing Games</li>      <li>Building websites with HTML and CSS :p</li>    </ul>    <p>Playing with my <a href="https://bit.ly/fcc-relaxing-cat">cat</a></p>    <a href="https://en.wikipedia.org/wiki/List\_of\_cat\_breeds">      <img src="cat.jpg" alt="cat">    </a>  </body>  </html> |

**Exercise 5**

**A picture containing text, office supplies, pen, stationery

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1. *Create a file named “L08\_Exercise5.html”.*

*Open and copy the code from “L08\_ Exercise4.html” into “L08\_Exercise5.html”.*

*Try using the tags below to structure your Personal Webpage in “L08\_Exercise5.html”.*

* + *<header>*
  + *<nav>*
  + *<section>*
  + *<article>*
  + *<footer>*
  + *<div>*

Paste the code below

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>    <title>Exercise</title>  </head>  <body>    <header>      <h1>My Webpage</h1>    </header>    <p>      Hi I'm Ying Xuan! Welcome to my webpage.    </p>    <img src="Anonymous.jpg" alt="Anonymous">    <p>     You can connect with me at my <a href="https://www.instagram.com">Instagram</a> account!    </p>  <section>    <nav>    <h2>My hobbies are</h2>    <ul>      <li>Playing with my cat</li>      <li>Playing Games</li>      <li>Building websites with HTML and CSS :p</li>    </ul>    <p>Playing with my <a href="https://bit.ly/fcc-relaxing-cat">cat</a></p>    <a href="https://en.wikipedia.org/wiki/List\_of\_cat\_breeds">      <img src="cat.jpg" alt="cat">    </a>    </nav>    <article>      <p>article</p>    </article>  </section>  <footer>    <p>footer</p>  </footer>  </body>  </html> |

1. Create two files named “L08\_Exercise5\_about.html” and “L08\_Exercise5\_hobbies.html” .

Open and copy the code from “L08\_ Exercise5.html” into “L08\_Exercise5\_about.html” and “L08\_Exercise5\_hobbies.html” .

Modify the code “L08\_Exercise5\_about.html” and “L08\_Exercise5\_hobbies.html” to include the following using the relevant HTML elements(<nav>, <header>, <article>, etc):

* Navigation links for the 2 webpages
* Focused content for the 2 webpages
* Details about personal social media accounts in the footer

The webpages should look similar to below, and the navigation links should bring me to the correct webpage when it is clicked.

A screenshot of a computer

Description automatically generated with medium confidence

Paste the code below

|  |
| --- |
| <!DOCTYPE html>  <html>  <head>    <title>About</title>  </head>  <body>    <header>      <h1>About Me</h1>    </header>    <a href="L08\_Exercise5\_about.html">About Me</a> <a href="L08\_Exercise5\_hobbies.html">My Hobbies</a>    <p>      Hi I'm Ying Xuan! Welcome to my webpage.    </p>    <img src="Anonymous.jpg" alt="Anonymous">    <p>     You can connect with me at my <a href="https://www.instagram.com">Instagram</a> account!    </p>  </body>  </html>    <!DOCTYPE html>  <html>  <head>    <title>Hobbies</title>  </head>  <body>    <header>      <h1>My Webpage</h1>    </header>    <a href="L08\_Exercise5\_about.html">About Me</a> <a href="L08\_Exercise5\_hobbies.html">My Hobbies</a>    <h2>My hobbies are</h2>    <ul>      <li>Playing with my cat</li>      <li>Playing Games</li>      <li>Building websites with HTML and CSS :p</li>    </ul>    <a href="https://en.wikipedia.org/wiki/List\_of\_cat\_breeds">      <img src="cat.jpg" alt="cat">    </a>    <p>      You can connect with me at my <a href="https://www.instagram.com">Instagram</a> account!     </p>  </body>  </html> |

Section B – Linking to the Problem Statement

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In your teams, discuss the following questions:

1. What are the webpages that would be required for the option(Refer to PS for options) that you have selected?

|  |
| --- |
| Sustainable Finance:   * Home page * Dashboard * Carbon footprint tracker * Donation portal * Transaction history |

1. In each webpage, what would the webpage contain?

|  |  |
| --- | --- |
| **Webpage** | **Description of content in the webpage** |
| Homepage | Overview of the platform, key features and benefits |
| Dashboard | User’s account summary, including balance, recent activities |
| Carbon footprint tracker | Tools to track, calculate and manage user’s carbon footprint |
| Donation portal | Interface for users to donate to eco-friendly causes, with option to set recurring donations. |
| Transaction history | Detailed list of all transactions, with filters and search functionality. |
|  |  |

1. One of the webpages that your team has identified should allow the purchase of the product/service. Describe the payment process when making the purchase.

|  |
| --- |
| 1. User login 2. Selection donation amount 3. Choose payment method 4. Confirm details 5. Authenticate payment 6. Processing 7. Update transaction history |

1. Create a prototype of the webpages and its respective content that you have described. Show your lecturer what your team has come up with.
2. Once you have your prototype created, the team will now be creating the HTML webpages. Distribute the webpages among your team members. The team will need to integrate them once they are completed.

Section D – Working on your GA

By now, you should have finished milestone 2 and your lecturer would have given you some feedback on your prototype.

**You should start to work on milestone 3 by creating the HTML pages described in milestone 2.**

Milestone 3

Create responsive web pages of the prototype described in milestone 2 using HTML, CSS, and JavaScript.

Your website should be based on the GA requirements.

Note:

The use of template or generated code from tools such as Wix, Wordpress, etc is **NOT** allowed. No marks will be awarded in such a case. You should write the code for your GA from scratch on your own.

If you are unclear of any instructions, speak to your lecturer or module chair.

Section C – Submissions

* Lesson 8 Worksheet (Individual folder)
* Lesson 8 exercise code (All .html webpages zipped)(Individual folder)
* Problem statement prototype and code (HTML webpages) (Team folder)
* Upload your worksheet to LEO even if it is incomplete before the end of class.
* You can resubmit by 2359 if there are updates.