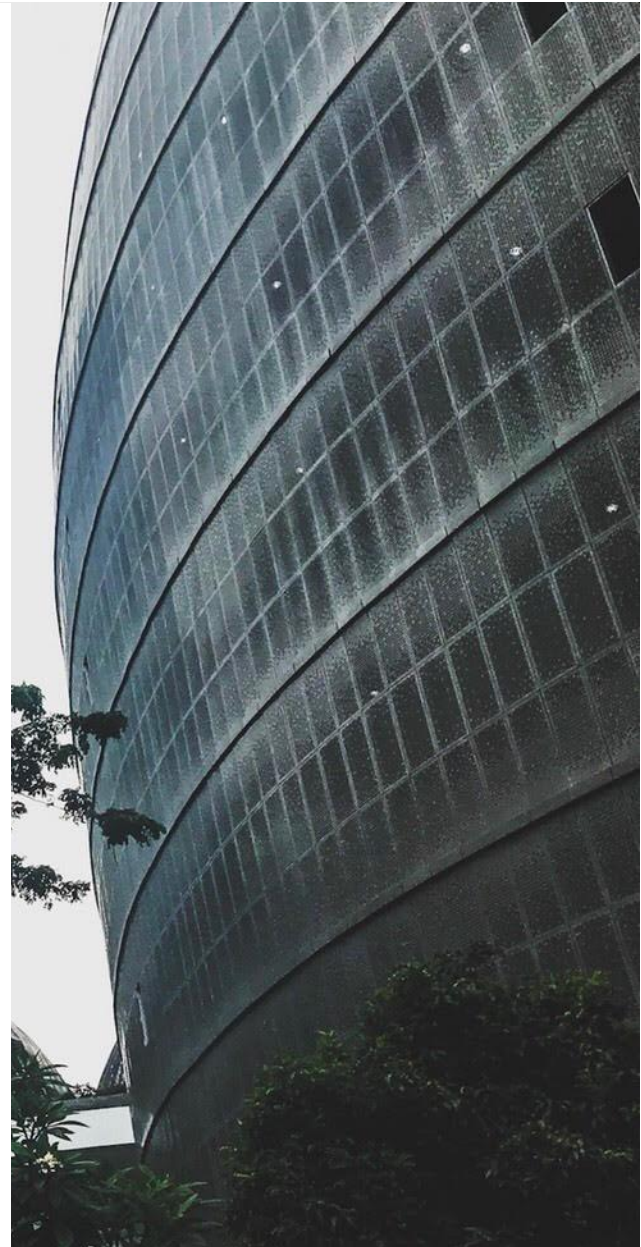


MODUL PRAKTIKUM

IS556 – WEB DESIGN AND DEVELOPMENT
PROGRAM SARJANA S1 SISTEM INFORMASI
FAKULTAS TEKNIK DAN INFORMATIKA



**PROGRAM STUDI SISTEM INFORMASI
FAKULTAS TEKNIK DAN INFORMATIKA
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MODULE 1

WEB PAGE STRUCTURE USING HTML5

DESCRIPTION

Students learn to make a simple webpage using HTML.

WEEKLY LEARNING OUTCOMES (SUB-LEARNING OUTCOMES)

1. SUB-CLO 01: Students are able to explain about web concepts and technologies. (C2)
2. SUB-CLO 02: Students are able to build web page structures using HTML5. (C3)

PRACTICAL SUPPORT

1. Visual Studio Code

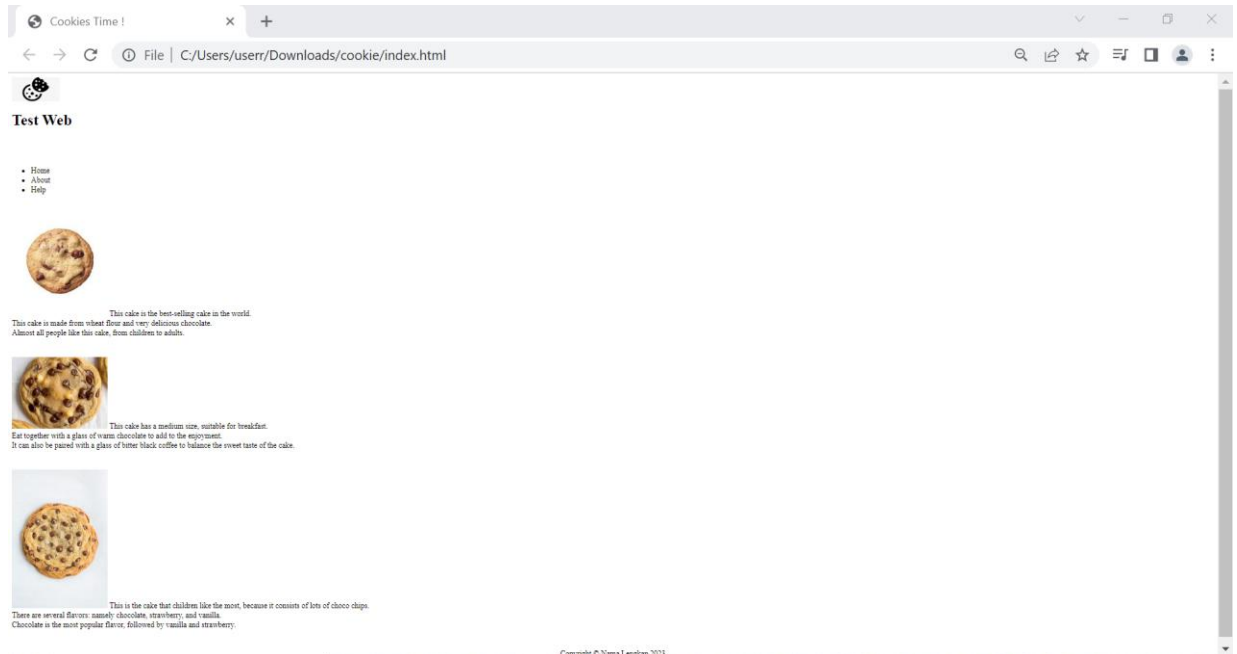
STEPS:

Installation Preparation

1. Make sure the **Visual Studio Code** application is installed on the device you are using (PC, laptop)
2. If not, please download at the following link: <https://visualstudio.microsoft.com/downloads/>

Exercise 1

1. Create an HTML page as the figure bellow:





Follow this code:

```
<!DOCTYPE html>
<html>

<head>
  <title>Cookies Time !</title>
  <meta charset="utf-8">
</head>

<body>
  
  <h1>Test Web</h1>
  </br>
  <ul>
    <li href="#">Home</li>
    <li href="#">About</li>
    <li href="#">Help</li>
  </ul>

  <div>
    
    This cake is the best-selling cake in the world.</br>This cake is made from wheat flour and very delicious chocolate. </br>
    Almost all people like this cake, from children to adults.
  </div>
  </br>
  </br>
  <div>
    
    This cake has a medium size, suitable for breakfast. </br> Eat together with a glass of warm chocolate to add to the enjoyment. </br>
    It can also be paired with a glass of bitter black coffee to balance the sweet taste of the cake.
  </div>
  </br>
  </br>
  <div>
    
    This is the cake that children like the most, because it consists of lots of choco chips. </br>
    There are several flavors: namely chocolate, strawberry, and vanilla. </br>
    Chocolate is the most popular flavor, followed by vanilla and strawberry.
  </div>
  </br>
  </br>
</body>

<footer align="middle">Copyright &copy; Nama Lengkap 2023</footer>

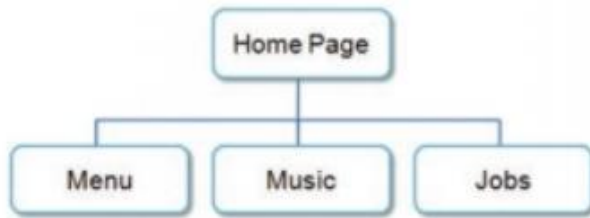
</html>
```

Exercise 2 – Case Study

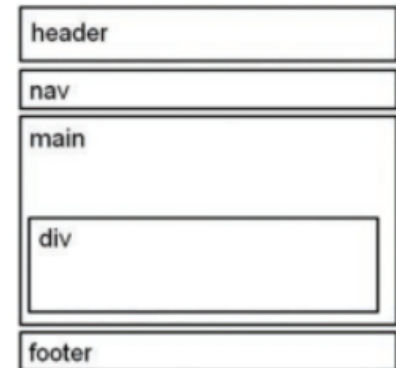
JavaJam Coffee House

Julio Perez is the owner of the JavaJam Coffee House, a gourmet coffee shop that serves snacks, coffee, tea, and soft drinks. Local folk music performances and poetry readings are held a few nights during the week. The customers of JavaJam are mainly college students and young professionals. Julio would like a web presence for his shop that will display his services and provide a calendar for the performances. He would like a home page, menu page, music performance schedule page, and job opportunities page.

A site map for the JavaJam Coffee House website is shown below. The site map describes the architecture of the website, which consists of a “Home” page with three main content pages: “Menu,” “Music,” and “Jobs.”



The figure beside displays a wireframe sketch of the page layout for the website. It contains a header area, a navigation area, a main content area, and a footer area for copyright information. You have three tasks in this case study:



1. Create a folder for the JavaJam website.
2. Create the Home page: index.html.
3. Create the Menu page: menu.html.

Task 1:

Create a folder on your hard drive or portable storage device (thumb drive or SD card) called “javajam” to contain your JavaJam website files.

Task 2:

The Home Page. You will use a text editor to create the Home page for the JavaJam Coffee House website.

Launch a text editor, and create a web page with the following specifications:

1. **Web Page Title.** Use a descriptive page title.
The company name is a good choice for a business website.
2. **Wireframe Header.** Code the header element with the text, “JavaJam Coffee House” contained within a heading 1 element.
3. **Wireframe Navigation.** Place the following text within a nav element with bold text (use the element):

Home Menu Music Jobs

Code anchor tags so that “Home” links to index.html, “Menu” links to menu.html, “Music” links to



music.html, and “Jobs” links to jobs.html. Add extra blank spaces between the hyperlinks with ` ` special character as needed.

4. **Wireframe Main Content.** Code the main page content within a main element.

- a. Code the following text within an h2 element: Relax at JavaJam
- b. Configure the following content in an unordered list:

Specialty Coffee and Tea

Bagels, Muffins, and Organic Snacks

Music and Poetry Readings

Open Mic Night

- c. Code the following address and phone number contact information within a div element. Use line break tags to help you configure this area and add extra space between the phone number and the footer area.

54321 Route 42

Ellison Bay, WI 54210

888-555-5555

5. **Wireframe Footer.** Configure the following copyright and e-mail link information within a footer element. Format it with small text size (use the `<small>` tag) and italics font style (use the `<i>` tag).

Copyright © 2016 JavaJam Coffee House

Place your name in an e-mail link on the line under the copyright.

Save your page in the javajam folder, and name it index.html.

Task 3:

The Menu Page. Create the Menu page shown in figure below. A technique that improves productivity is to create new pages based on existing pages so that you can benefit from your previous work. Your new Menu page will use the index.html page as a starting point.



Open the index.html page for the JavaJam website in a text editor. Select File > Save As, and save the file with the new name of menu.html in the javajam folder. Now you are ready to edit the page.

1. **Web Page Title.** Modify the page title. Change the text contained between the <title> and </title> tags to the following: JavaJam Coffee House Menu
2. **Wireframe Main Content.**
 - a. Delete the Home page content unordered list and contact information.
 - b. Replace the text in the h2 element with the following:
Coffee at JavaJam
 - c. Use a description list to add the menu content to the page. Use the <dt> tag to contain each menu item name. Configure the menu item name to have strong importance and display in bold font weight with the tag. Use the <dd> tag to contain the menu item description. Configure line break tags as needed to display two lines of information within each dd element. The menu item names and descriptions are as follows:
Just Java
Regular house blend, decaffeinated coffee, or flavor of the day.
Endless Cup \$2.00
Cafe au Lait
House blended coffee infused into a smooth, steamed milk.
Single \$2.00 Double \$3.00
Iced Cappuccino
Sweetened espresso blended with icy-cold milk and served in a chilled glass.
Single \$4.75 Double \$5.75

3. Save your page, and test it in a browser. Test the hyperlink from the menu.html page to index.html.

Test the hyperlink from the index.html page to menu.html. If your links do not work, review your work, paying close attention to these details:

- Verify that you have saved the pages with the correct names in the correct folder.
- Verify the spelling of the page names in the anchor elements.

Test again after you make changes.

SUBMISSION

1. Submit files consist of:
 - a. File project (include html file and all used objects (image, dll)).
2. Compress file (.zip) and named **COURSECODE_CLASS_NIM_NAME_WEEK KE-XX.zip** (example: IS556_A_13110310017_Monika Evelin Johan_Week-01.zip).

REFERENCES

Felke-Morris, T. A. (2018). Web Development and Design Foundations with HTML5, Global Edition (8th ed.). Pearson International Content. <https://umnlibrary.vitalsource.com/books/9781292164083>