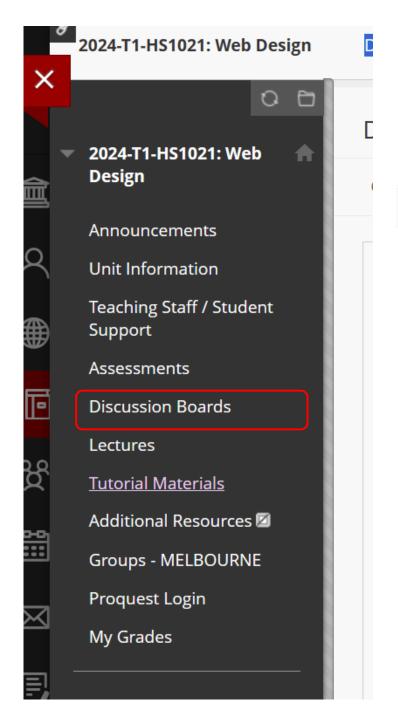
Week 2 – Web Design – Sydney Campus

HOLMES INSTITUTE

- 1. Summary of Lecture 1
- 2. Tutorial Week 2: Weekly Lab Submissions
- 3. Attendance & Multiple-choice Questions Recognising student participation and engagement specifically identifying those who are most actively involved!
- 4. Key assessment dates
- 5. Preparation for Lab 1

Lecturer/Tutor: Dr. Farshid Keivanian



Greeting, Students! Week 2 - Lab 1 - Sydney

0

Happy Learning,

Farshid

Tutor_Week2_Web Design.pdf Tutor_Week2_Web Design.pptx

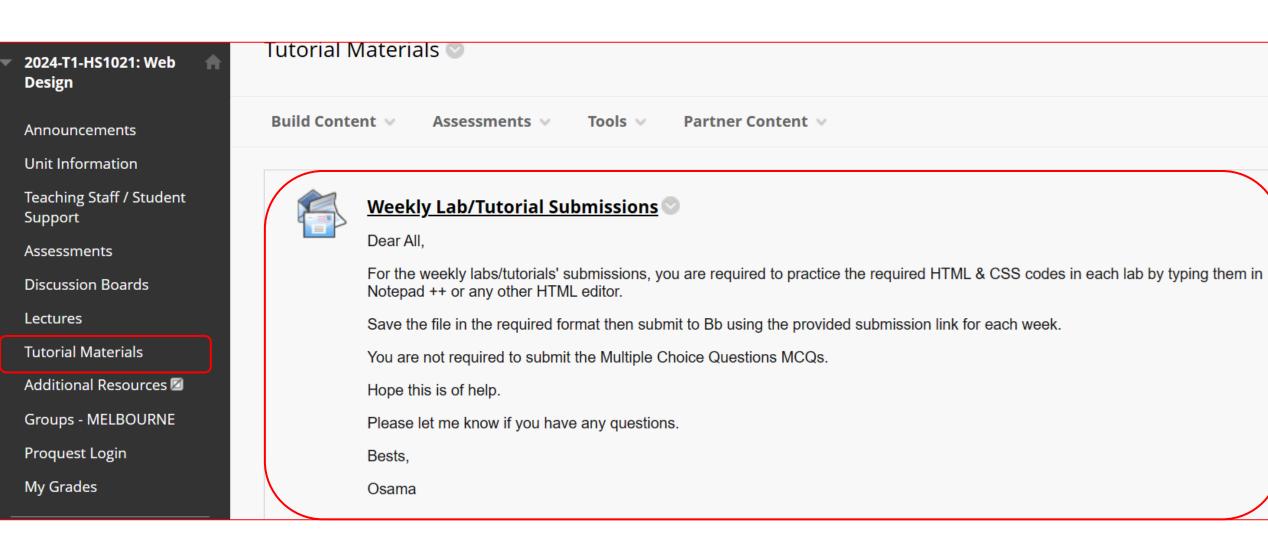
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1. Summary of Lecture 1

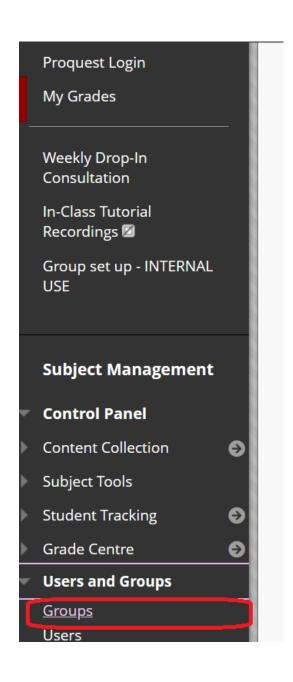
The first lecture of HS1021 on "Internet and Web Basics" provided a comprehensive introduction to the fundamentals of the internet, web browsers, the architecture of the World Wide Web, and the initial steps in web design including planning and structuring websites. It emphasized the significance of understanding internet protocols, the types and purposes of websites, and the crucial aspects of web design such as accessibility, navigation, and the use of HTML for creating web pages.

A practical example of these concepts can be observed in the creation of an Australian educational institution's website. For instance, the University of Melbourne might plan a website redesign to enhance user experience. In the past, they would have started by defining the purpose of the site, focusing on serving current and prospective students by providing easy access to course information, campus services, and academic resources. Recognizing the target audience's need for a seamless, multiplatform experience, the design team would have employed responsive design techniques to ensure the website is accessible on various devices, from desktops to smartphones. Using HTML5, they crafted a structure that includes semantic elements like <nav> for navigation and <footer> for the bottom section, improving the site's organization and search engine discoverability. The project would have also emphasized designing for accessibility, ensuring all students, including those with disabilities, can navigate the site effectively. By utilizing web authoring tools like Adobe Dreamweaver, the development process allowed for a visually appealing and functionally rich website, which includes features such as a dynamic event calendar, interactive campus map, and online enrollment functionalities, all while adhering to the latest web standards and protocols.

2. Tutorial Week 2: Weekly Lab Submissions



2. Tutorial Week 2: Set Groups (Group Assignment)



3. Attendance & Multiple-choice Questions - Recognising student participation and engagement specifically identifying those who are most actively involved!

Question 1: The initial steps in web design include:

- A) Choosing a web hosting service based solely on cost.
- B) Planning and structuring websites to enhance user experience and meet specific goals.
- C) Focusing exclusively on the visual design before defining the website's purpose.
- D) Using advanced JavaScript before establishing the site's basic HTML structure.

Question 2: In web design, why is it important to ensure a website is accessible on various devices from desktops to smartphones?

- A) It ensures the website can only be accessed by users with the latest technology.
- B) It limits the audience to those who prefer browsing on a specific device.
- C) It enhances user experience by providing easy access across multiple platforms.
- D) It complicates the design process, making the website more exclusive.



Key Assessment Dates

ASSESSMENT	DUE DATES	
Labs x 5	Refer assessment folder	

ASSESSMENT	DUE DATES
Online Quizzes x 3	Refer assessment folder

ASSESSMENT	DUE DATE	DUE TIME
Group Assignment	23 June, 2024	11.59 pm



<u>Labs / Tutes Information</u>

	DUE DATE	DUE TIME
Lab 1	14 April, 2024	11.59 pm
Lab 2	28 April, 2024	11.59 pm
Lab 3	12 May, 2024	11.59 pm
Lab 4	26 May, 2024	11.59 pm
Lab 5	9 June, 2024	11.59 pm

This folder contains submission links for each Lab / Tutes that form part of the assessment for this unit.



Online Quiz Information 🕙

ASSESSMENT	DATE	AVAILABLE	DURATION
Quiz 1	14 April, 2024	6.00 am – 9.00 pm	60 minutes once accessed
Quiz 2	5 May, 2024	6.00 am – 9.00 pm	60 minutes once accessed
Quiz 3	26 May, 2024	6.00 am – 9.00 pm	60 minutes once accessed

This folder contains information about the **Online Quizzes** that form part of the assessment for this unit.

Information includes submission instructions and submission links.

Please note: these quizzes cannot be taken using a mobile phone and can only be submitted using a pc or laptop.



Group Assignment Information

DUE DATE	23 June, 2024
DUE TIME	11.59 pm

This folder contains information about the **Group Assignment** that forms part of the assessment for this unit.

Information includes **instructions to join a group**, detailed assignment requirements and submission link.

Assessment >> Online Quiz Information >> Quiz Links



Online Quiz Information

ASSESSMENT	DATE	AVAILABLE	DURATION
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Assessment >> Group Assignment Information



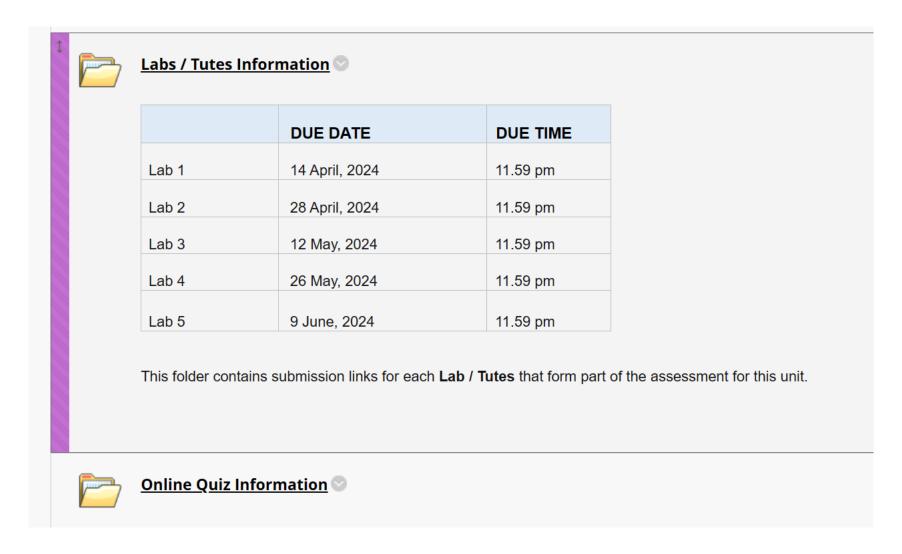
Group Assignment Information

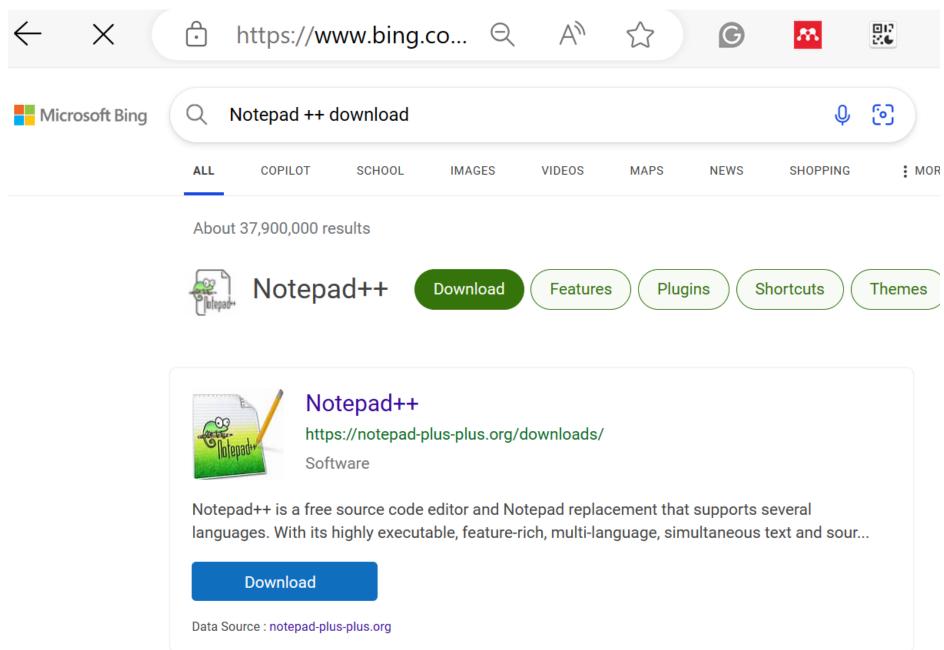
DUE DATE	23 June, 2024
DUE TIME	11.59 pm

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Information includes **instructions to join a group**, detailed assignment requirements and submission link.

Assessment >> Labs/Tutes Information >> Lab Submission Links





HS1021 Web Design

Weeks 2-3 Lab

This lab is based on Lectures 1 & 2. Submitted by the end of week 3

Publishing to a Website

Note: To complete this lab, you will be required to use the Data Files provided by your instructor.

Problem: If you want your webpages to be viewed by anyone connected to the Internet, you must store the pages on a web server. Transferring webpage files from your local computer to a web server is called publishing. Once your webpages are published on the web server, the server creates an http:// address that allows others to find and view your pages using any browser connected to the Internet.

Several key pieces of information and permissions need to be in place before you can successfully publish your webpages to a web server. This exercise will help you find free or inexpensive web server space where you can publish your webpages and collect the necessary information.

Instructions:

Instructions:

- 1. You are going to publish your webpages.
- 2. Open the webpublishing.docx document (available on Bb).
- 3. Using the web server documentation provided by your instructor, fill out the right column of the table to identify the pieces of information needed to publish your webpages. A sample solution is provided in webpublishing.docx that applies to students at Johnson County Community College in Overland Park, Kansas.
- 4. Use the web to research three inexpensive web server alternatives.
- 5. Open the webserveralternatives.docx document (available on Bb).
- 6. Using the information you found in Step 4, complete the table in the webserveralternatives.docx document to compare three web server alternatives. You may be asked to compare this information with the rest of the class.
- 7. Some web hosting companies offer *free* web hosting services. However, all businesses need to generate revenue in order to survive. Using your favorite search engine, identify three ways *free* web hosting companies generate revenue.

Challenge 1

Spotted Wren Garden Center, a local garden shop and plant store, has hired you to create a website for its business. Sarah Nguyen, the shop's owner and manager, would like you to create a web presence as a new avenue of marketing, as well as a means to keep regular customers up to date on seasonal specials and new products.

- a. Open a new document in your text editor, then create a DOCTYPE declaration by typing <!DOCTYPE html>
- b. Type <html> and </html> on separate lines to create the html element.
- c. Within the html element, type <head> and </head> on separate lines to create the head element.
- d. After the head tags, type <body> and </body> on separate lines to create the body element.
- e. Save the file as index.html to the lab 1 folder.
- f. Within the head section, add a title element containing the text Spotted Wren Garden Center.

(Hint: Type <title> as the opening tag and </title> as the closing tag.)

g. Within the body section, add an h1 element containing the text Spotted Wren Garden Center.

(Hint: Type <h1> as the opening tag and </h1> as the closing tag.)

h. Below the h1 element and within the body section, enter a p element containing the text For your year-round garden and yard needs, with a focus on the unusual and hard to find. (Hint: Type as the opening tab and as the closing tag.)

- i. Below the existing p element, add another p element containing the text (402) 555-9736. (*Hint*: Be sure to use the opening and closing tags for the p element.)
- j. Within the head section, add a comment using <!-- as the opening tag and --> as the closing tag that contains the following text:

Spotted Wren Garden Center main web page

Filename: index.html

Author: your first and last name

Date: today's date

HTML5 and CSS3 Illustrated

Unit A, Independent Challenge 1

- k. Save your work.
- I. Open index.html from the lab 1 folder in

Compare your screen to FIGURE 1.

Spotted Wren Garden Center

For your year-round garden and yard needs, with a focus on the unusual and hard to find.

(402) 555-9736

Figure 1

Repeat using other browsers until you have viewed the document in current versions of Chrome, Firefox, and Internet Explorer.

m. Use a code editor with a built-in web server to view index.html on a smartphone and on a tablet.

5. Preparation for Lab 1: Challenge 1 (HTML code in Notepad ++)

```
<!DOCTYPE html>

</p
=<head>
          <title>Spotted Wren Garden Center</title>
          <!-- Spotted Wren Garden Center main web page
          Filename: index.html
         Author: Your First and Last Name
         Date: Today's Date -->
 -</head>
=<body>
          <h1>Spotted Wren Garden Center</h1>
          For your year-round garden and yard needs with a focus on the unusual and hard to find.
          \langle p \rangle (402) 555 - 9736 \langle /p \rangle
 -</body>
 </html>
```

- Replace "Your First and Last Name" with your actual name and "Today's Date" with the current date.
- Save the file as 'index.html' in your desired folder (e.g., a folder named lab 1 or Week2)
- Open 'index.html' in various web browsers (Chrome, Firefox, Internet Explorer) to view the webpage.
 Ensure it matches the expected layout and content.
- **Test** viewing the webpage on different devices (smartphone, tablet) as suggested, using a code editor with a built-in web server or by manually transferring the file to the device for local viewing.

5. Preparation for Lab 1: Challenge 1 (HTML code in Visual Studio)

```
<!DOCTYPE html>
<html>
<head>
   <title>Spotted Wren Garden Center</title>
   <!-- Spotted Wren Garden Center main web page
   Filename: index.html
   Author: Your First and Last Name
   Date: Today's Date -->
</head>
<body>
   <h1>Spotted Wren Garden Center</h1>
   For your year-round garden and yard needs with a focus on the
unusual and hard to find.
   (402) 555-9736
</body>
</html>
```

* Additional Information: Find Hosting Service e.g. https://www.turbify.com/



X

https://www.turbify.com

























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*Price applicable for the first year of a 2 year plan only. Renews at \$19.99.

net

Dive into digital with our .NET promotion!

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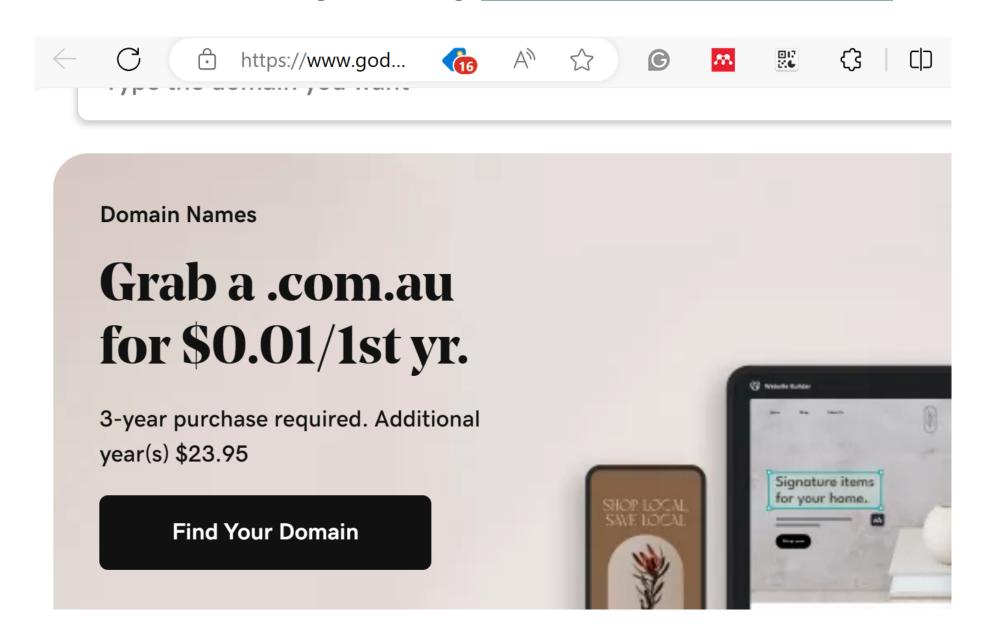
Share your info far and wide with a .INFO domain!

\$11.99*

GET ONLINE

*Price applicable for the first year of a 2 year plan only. Renews at \$21.99.

* Additional Information: Find Hosting Service e.g. https://www.godaddy.com/en-au



* Additional Information: Find Hosting Service e.g. https://www.hostgator.com/





https://www.hostga...

























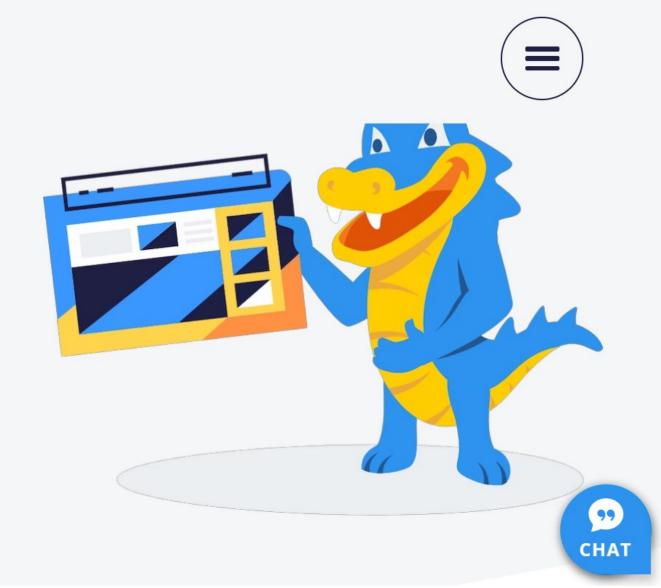


uptime, free SSL certificate, WordPress installed, and a free domain for a year.

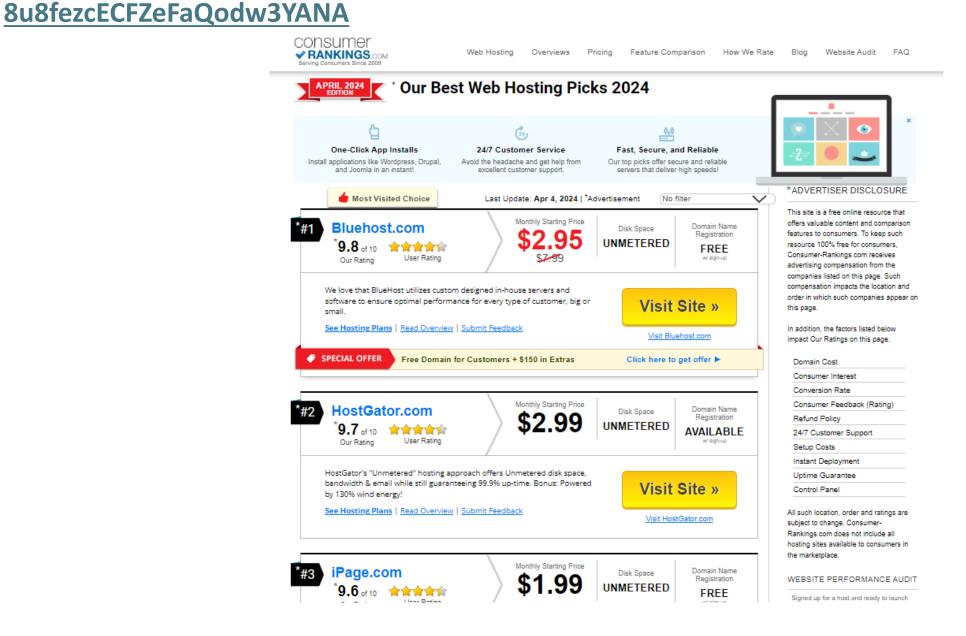
Yeah, that's how we roll.

Get Started Starting at only

\$3.75/mo*



* Additional Information: Ranking Hosts, e.g. <a href="https://www.consumer-rankings.com/hosting/?a=148&c=2968&s1=76537702.78231060&vn=nrd3-nbf&ls=g&gclid=CM-rankings.com/hosting/?a=148&c=2968&s1=76537702.78231060&vn=nrd3-nbf&ls=g&gclid=CM-rankings.com/hosting/?a=148&c=2968&s1=76537702.78231060&vn=nrd3-nbf&ls=g&gclid=CM-rankings.com/hosting/?a=148&c=2968&s1=76537702.78231060&vn=nrd3-nbf&ls=g&gclid=CM-rankings.com/hosting/?a=148&c=2968&s1=76537702.78231060&vn=nrd3-nbf&ls=g&gclid=CM-rankings.com/hosting/?a=148&c=2968&s1=76537702.78231060&vn=nrd3-nbf&ls=g&gclid=CM-rankings.com/hosting/?a=148&c=2968&s1=76537702.78231060&vn=nrd3-nbf&ls=g&gclid=CM-rankings.com/hosting/?a=148&c=2968&s1=76537702.78231060&vn=nrd3-nbf&ls=g&gclid=CM-rankings.com/hosting/?a=148&c=2968&s1=76537702.78231060&vn=nrd3-nbf&ls=g&gclid=CM-rankings.com/hosting/?a=148&c=2968&s1=76537702.78231060&vn=nrd3-nbf&ls=g&gclid=CM-rankings.com/hosting/?a=148&c=2968&s1=76537702.78231060&vn=nrd3-nbf&ls=g&gclid=CM-rankings.com/hosting/?a=148&c=2968&s1=76537702.78231060&vn=nrd3-nbf&ls=g&gclid=CM-rankings.com/hostings.co



5. Preparation for Lab 1: Challenge 2 (Homepage Portfolio Development)

1. Design and Create a Personal Portfolio Website

Personal

Part 1: As in almost every field, the job market for the best jobs in web development are competitive. One way to give yourself a big edge in a job search is to create an appropriate personal portfolio website to showcase your skills. Plan the website by completing the table in the portfolio.docx (available on Bb). Answer the questions with thoughtful, realistic responses. Be sure to sketch the wireframe for your home page on the last page.

Part 2: What do you want this website to accomplish?

Target Audience

A cohesive practical example for t	e 2 (Homepage Portfolio Developm the planning document of a personated at showcasing a web developer's	al portfolio website. This example
Web Developer Questions	Practical Example Answers	
Purpose of the Website	What is the purpose and goal of	To showcase my web development projects, skills, and professional

the website? experience to potential employers and clients.

What is the company's mission statement? businesses.

gender, demographics)

What information is most

pertinent to the users?

To demonstrate innovative web solutions and technical expertise that drive success for clients and Tech industry professionals, hiring Describe the target audience (age, managers, and peers in web

development, aged 20-50,

Portfolio of projects, list of skills,

professional bio, and contact

regardless of gender.

information.

5. Preparation for Lab 1: Challenge 2 (Homepage Portfolio Development)

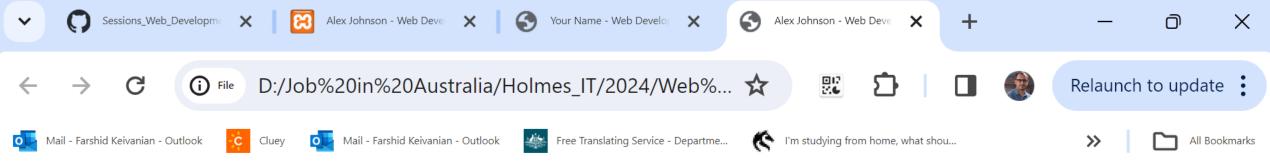
Multiplatform Display	Will you design for multiple platform display or only focus on a desktop or mobile design?	The site will be responsive, designed for optimal viewing across desktop, mobile, and tablet devices.
Wireframe	How many pages will be included in the website?	5 main pages: Home, About, Portfolio, Skills, Contact.
	How will the pages be organized?	A navigation bar at the top for easy access to all sections, with smooth scroll functionality for single-page navigation.
	What type of website structure is appropriate for the content?	A single-page application (SPA) structure for the main content with additional pages for detailed project views.

5. Preparation for Lab 1: Challenge 2 (Homepage Portfolio Development)

Graphics	What graphics will you use on the website?	High-quality images of my projects, personal branding logo, and icons for technical skills.
Color	What colors will you use within the site to enhance the purpose and brand?	A color scheme of navy blue (professionalism), light gray (modern), and white (clean).
Typography	What font styles will you use within the website?	"Roboto" for headings for its modern look and "Open Sans" for body text for readability.
Accessibility	How will the website accommodate people with disabilities?	Use of ARIA roles, ensuring keyboard navigability, high-contrast color scheme for the visually impaired, and alt text for all images.

5. Preparation for Lab 1: Challenge 2 (homepage Portfolio Development)

The primary goal of this website is to effectively present my professional profile, including work portfolio, skills, and experience, to potential employers and clients in the web development field. This online presence will not only showcase my technical capabilities but also my design sensibility and attention to detail. Additionally, the website aims to facilitate easy communication through a contact form, encouraging professional connections and opportunities.



Portiono Highlights

- Course 1: Data Science, Big Data Analytics, and AI development using Python.
- Course 2: Web Development using HTML and CSS.
- Course 3: Database design and development using MySQL.
- Course 4: IT Project Management using Microsoft Project.

Professional Skills

Proficient in: Python, HTML, CSS, MATLAB, JavaScript, SQL, MongoDB, and more.

Contact Me

Interested in working together? Reach out to me at <u>FKeivanian@my.holmes.edu.au</u>.

© 2024 Farshid Keivanian



















































Using **Xampp** local host:









localhost/Portfolio.html















Mail - Farshid Keivanian - Outlook



Cluey

Mail - Farshid Keivanian - Outlook



Free Translating Service - Departme...



I'm studying from home, what shou...

- About Me
- Portfolio
- Skills
- Contact

About Farshid Keivanian

/ith a PhD in Information Technology and an expansive career marked by roles as a Sessional Lecturer, Learning Facilitator, Researcher, and Global Advisor, I bring a wealth of experience that aligns with the responsit

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Contact Me

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2000 Farshid Keivanian

```
Modify the code based on your information or preferences and save as
<html lang="en">
<head>
                                                                            'Portfolio.html'
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Alex Johnson - Web Developer</title>
   <!-- Link to CSS file -->
                                                                                                                                                                           Q Type
                                                                 FarshidKeivanian / Sessions_Web_Development
   <link rel="stylesheet" href="style.css">
</head>
                                                                                                   Projects
                                                                                                                       Security
                                                                          Pull requests
                                                                                        Actions
                                                                                                              Wiki
<body>
   <header>
       <nav>
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               <a href="#about">About Me</a>
              <a href="#portfolio">Portfolio</a>
               <a href="#skills">Skills</a>
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    O Tags

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              <a href="#contact">Contact</a>
                                                                                  main
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           </nav>
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   </header>
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   <main>
                                                                                     Australian Example Form.html
       <section id="about">
                                                                                                                                                                         3 days ago
           <h1>About Farshid Keivanian</h1>
           With a PhD in Information Technology and an expansive career marked by roles as a Sessional Lecturer, Learning Facilitator, Researcher, and Global Advisor, I bring a wealth of
experience that aligns with the responsibilities and aspirations of this role.
       </section>
       <section id="portfolio">
           <h2>Portfolio Highlights</h2>
           <l
               Course 1: Data Science, Big Data Analytics, and AI development using Python.
              Course 2: Web Development using HTML and CSS.
               Course 3: Database design and development using MySOL.
              Course 4: IT Project Management using Microsoft Project.
           </section>
       <section id="skills">
           <h2>Professional Skills</h2>
           Proficient in: Python, HTML, CSS, MATLAB, JavaScript, SQL, MongoDB, and more.
       </section>
       <section id="contact">
           <h2>Contact Me</h2>
           Interested in working together? Reach out to me at <a href="mailto:FKeivanian@my.holmes.edu.au">FKeivanian@my.holmes.edu.au</a>.
       </section>
   </main>
   <footer>
       © 2024 Farshid Keivanian
   </footer>
</body>
</html>
```

<!DOCTYPE html>

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Alex Johnson - Web Developer</title>
   <!-- Link to CSS file -->
   <link rel="stylesheet" href="style.css">
</head>
<body>
   <header>
       <nav>
          <u1>
              <a href="#about">About Me</a>
              <a href="#portfolio">Portfolio</a>
              <a href="#skills">Skills</a>
              <a href="#contact">Contact</a>
          </nav>
   </header>
   <main>
       <section id="about">
          <h1>About Farshid Keivanian</h1>
          With a PhD in Information Technology and an expansive career marked by roles as a Sessional Lecturer, Learning
       </section>
       <section id="portfolio">
           <h2>Portfolio Highlights</h2>
           <l
              Course 1: Data Science, Big Data Analytics, and AI development using Python.
              Course 2: Web Development using HTML and CSS.
              Course 3: Database design and development using MySQL.
              Course 4: IT Project Management using Microsoft Project.
          </section>
       <section id="skills">
          <h2>Professional Skills</h2>
```

