

SIT120 - Introduction to Responsive Web Apps

Week 2: Responsive web design, HTML, CSS and JavaScript

Overview:

In this week, you will learn improving page and creating User stories and UI/UX (Responsiveness, CSS and Figma). You will know about the creation of the responsive web applications. You will use advanced HTML, CSS and JavaScript elements for web designing. Please write 1-2 sentences reflections for each task. **This is a part of Assessment-2.**

List of Tasks:

Pass Task 1 – Understand about responsive web Pages and apps

Instruction:

In this task you will learn the fundamentals of responsive web design. In this unit, you will create your own responsive web page that works well on any device phone, tablet, desktop, or anything in between. Please **see week 2 task 1 video** tutorial and go through the document: <https://developers.google.com/web/fundamentals/design-and-ux/responsive/>.

to learn about responsive web design basics.

Task to submit: Write 1-2 sentences reflections of what is responsive web design and why it is important? (Max 150 words)

Pass Task 2 – Understanding how responsive web design can be implemented using CSS

Instruction:

On the workshop, please use CSS to improve your web pages. For this, work in the following aspects such as Page layout, Navigation, Colour and Graphics, Content, Functionality. Finally, create a page and discuss different aspects with your tutor.

Keep reading the document and understand how to implement the concept of responsive web design:

<https://developers.google.com/web/fundamentals/design-and-ux/responsive/>

Task to submit: Capture screenshots and write 1-2 sentences reflections about how to implement responsive web design with CSS; hint: CSS @media Rule (Max 150 words).

Credit Task 3 – User stories and UI/UX design for your project

Instruction:

In this task you are going to write user stories and design a UI/UX prototype for the project specification. You can visit <https://codingsans.com/blog/user-stories-with-templates> to know about user stories and how to write them. The UI is simply how an app looks. You can use Figma to quickly compose and design UI/UX. To learn about Figma, please see week 2, Task 3 video tutorial. Create a free account here <https://www.figma.com/>.

Task to submit: Write 2 user stories for web page functions e.g., login function, produce a Figma demo (1 ~ 2 pages). Write 1-2 sentences reflections about why user stories and UI/UX prototype is important in responsive web design?

Distinction Task 4 – Use graphics, media and APIs (Homework)

Instruction: In this task you will Improve your web page by adding graphics, media and some other API's such as Canvas, Audio, video and plug-ins, APIs like geolocation, drag/drop and discuss/demonstrate to your tutor. For more information, see **week 2, Task 4 video tutorial**.

Task to submit: Develop one page including Canvas (example a line), video tag, audio tag and embed a YouTube video. Capture screenshots and write 1-2 sentences on the utility of these elements while designing a responsive web app?

Note: Start to think about a responsive web of your own. It can be a business idea like online shopping, services, etc. Your application should contain HTML hyperlinks between the pages, provide necessary information about the web page. It should have a search function, query function as well as contact information. Use HTML, CSS and JavaScript properly. Create a page and discuss different requirements with your demonstrator Hint: <https://vuejs.org/v2/examples>.

One single entire document (append each week's added contents to the existing **single** document you keep for this Portfolio). **Do not** separate each week into different files. Due: 09 Sep 2022 (Assessment-2).