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# **Study Reflection: Unit SIT120 Introduction to Responsive Web Apps**

With my current situation, I aim to get “credit” mark, if I could achieve “distinction” is a big bonus. However, I really want to learn and understand a lot on this unit, because this is what I am looking for my future job.

I have been feeling anxious recently. I lost 1 elder sister from unknown death and 1 younger sister from Covid-19 in about 4,5 months. After that, my mom and 3 youngest sisters were unwell due to Covid-19 in Indonesia. It has been very tough, and I have 11 months old Charlie which is very active now. I have missed study in week 1-3 and started study in week 4. However, I been managing to catch up.

# Week 1: Introduction HTML and CSS

## Reflection

I studied basic HTML in other unit previously, so it has been good foundation in this unit, SIT120 Introduction Responsive Website Apps and I learned a lot of HTML and CSS on [W3School](https://www.w3schools.com/).

## Typical of HTML structure

Text

Description automatically generated

<head> is the first section in the code containing information about a web page's properties and links to external related files. For example, in the HTML head, you can have the tittle of the page, meta tags, CSS code, Open Graph tags, and JavaScript code.

<h1> is an HTML tag that indicates a heading on a website and defines the most important heading.

Here below is the level of header.

A picture containing diagram

Description automatically generated

Here below an example of paragraph (<p>) inside HTML <body> with header <h2>.

Graphical user interface

Description automatically generated

## HTML, CSS, JavaScript for calculating numbers, creating form and hyperlink

The code is in Github: [SIT120/Prac1.html at main · ywaliatin/SIT120 (github.com)](https://github.com/ywaliatin/SIT120/blob/main/Prac1.html)

Graphical user interface, text, application, email

Description automatically generated

## How to organise the codes on Visual Studio

First thing first, block all the codes by clicking Ctrl + A. Then, clicking Ctrl + K + F on your keyboard.

# **Week 2: Responsive web apps design, advanced HTML, CSS and JavaScript**

## Reflection & github link

I learned by using viewport value on HTML code, allows the page for becoming responsive in any width screen of devices, and learned many useful values on [this link](https://web.dev/responsive-web-design-basics/) about [responsive web design](https://web.dev/responsive-web-design-basics/).

This is the link on Github: [SIT120/Week4 at main · ywaliatin/SIT120 (github.com)](https://github.com/ywaliatin/SIT120/tree/main/Week4)

## Learninghow to use Figma for design

I learned how to design the website before building it by using Figma.

Graphical user interface, application

Description automatically generated

## Practising HTML, CSS on [w3school.com](http://www.w3school.com/)

It helps me a lot, especially how to use CSS style commands for each element such as use tag <span>, page layout, colour, image, content and more. All codes are available on [Github link](https://github.com/ywaliatin/SIT120/tree/main/Week4).

# Week 3: Practicing JavaScript Functions

## Reflection & github link

Honestly, I do not have any knowledges about JavaScript. However, I have started to learn on this week through practical tasks, how JavaScript works and use [W3School web](https://www.w3schools.com/) as the guidelines.

This is the link on Github: [SIT120/Week4 at main · ywaliatin/SIT120 (github.com)](https://github.com/ywaliatin/SIT120/tree/main/Week4)

## Task Length Property

I learned “space bar is calculated as a length”.

Graphical user interface, text, application, Word

Description automatically generated

## Task JavaScript Number and Array Methods

I have read, learned, and practised on [W3School website](https://www.w3schools.com/) such as one of this to use ‘join’ to combine array elements into a string.

Graphical user interface

Description automatically generated with low confidence

## Task JavaScript Get/Set Methods

I learned to show a date through [W3school web.](https://www.w3schools.com/)

Graphical user interface, text, application, Word

Description automatically generated

# Week 4: Vue.js Framework

## Reflection & github link

In this week, I installed Vue.js and created Vue project, learned rendering on this link: [Rendering](https://vuejs.org/v2/guide/#Declarative-Rendering), and practised for my first Vue.js.

This is the link on github: [SIT120/Week4 at main · ywaliatin/SIT120 (github.com)](https://github.com/ywaliatin/SIT120/tree/main/Week4)

## Task Declarative rendering

Here below is screenshot of my first Vue.js. The id is “app” and the id “app” called by “message” which show on screenshot after compiling.

A screenshot of a computer

Description automatically generated

## Task Conditionals and loops

A screenshot of a computer

Description automatically generated with medium confidence

## I learned how to install Vue.js

I learned how to install Vue.js from this link YouTube [Install Vue.js](https://www.youtube.com/watch?v=isUih1dMXs8&t=94s) and installed Vue.js on my laptop. Screenshot below. First thing first, I installed [Nodejs](https://nodejs.org/en/), then simply following the instructions for next steps.

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated

My first Vue project, screenshot as below.

Text

Description automatically generated

# Week 5: Vue.js Framework

## Reflection

In this week, I have learned about composing with components and explored more [Vue.js](https://vuejs.org/v2/guide/components.html). I have been also improved the project proposal and been practising in how HTML, CSS, JavaScript and Vue work together.

## Learn Composing with Components

For more detail about basic components, I have read on [Vue.js website](https://vuejs.org/v2/guide/components.html).

Graphical user interface, application

Description automatically generated

# Week 6: Vue.js Framework (Handling User Inputs)

## Reflection & github link

I have learned more about [Vue.js framework](https://vuejs.org/v2/guide/forms.html), how to use and apply handling user input, form input bindings, lazy, trim and number modifier also other components which they are so useful for my project, and I have more understanding how HTML, CSS, JavaScript and Vue work together.

Github link: [SIT120/Week6 at main · ywaliatin/SIT120 (github.com)](https://github.com/ywaliatin/SIT120/tree/main/Week6)

## Task Using V-model for handling user inputs

What I have learned here is passing parameter from v-model to Vue script, as screenshot below.

*A screenshot of a computer

Description automatically generated with medium confidence*

## Task Checkbox subjects that I have learned so far

Graphical user interface

Description automatically generated

## Task Dynamic options rendering v-for

*A screenshot of a computer

Description automatically generated with medium confidence*

## Task Using Modifiers (Lazy, Trim, Number)

A screenshot of a computer

Description automatically generated

Graphical user interface

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

## Project Progress

Here below screenshot of my project progress so far. Github link: [SIT120/Week6 at main · ywaliatin/SIT120 (github.com)](https://github.com/ywaliatin/SIT120/tree/main/Week6)

Graphical user interface, website

Description automatically generated

Graphical user interface, text

Description automatically generated

Graphical user interface, text, application, Word

Description automatically generated

Graphical user interface, application

Description automatically generated