SIT774

Web Technologies and Development

Learning Summary Report

Yiyang Hou
220570074

Self-Assessment Details
The following checklists provide an overview of my self-assessment for this unit.

	Pass (D)	Credit (C)	Distinction (B)	High Distinction (A)
Self-Assessment				✓

Self-Assessment Statement

Declaration

I declare that this portfolio is my individual work. I have not copied from any other student's work or from any other source except where due acknowledgment is made explicitly in the text, nor has any part of this submission been written for me by another person.

Signature: **Yiyang Hou**

Portfolio Overview

This portfolio includes work that demonstrates that I have achieve all Unit Learning Outcomes for SIT774 Web Technologies and Development to a **High Distinction** level.

In the course of learning this unit, I start with learning the basic ideas of how the Internet works and some fundamental background knowledge. Later on, I started learning about how to construct HTML documents and create a client-side web page. Then I learnt about CSS and how to use the tools like Bootstrap to style the web pages. I also learnt to code with Javascript and how servers work, these broaden my knowledge and brush up my skills on how to make more responsive and dynamic web applications. After all the learning and practice, I feel confident about applying the concepts and skills to a real-world application, I have achieved the foundation to build my career upon in the industry. During learning this unit, every time I learnt something new, I can apply it and make my web page looks more professional and closer to the web pages that I browse out there on the Internet. The greatest challenge is that, as a web developer, there are so many options and tools to choose from, from technology aspects to aesthetics aspects. I need to learn from my own mistakes and the real-world conventions to make the right choice.

In the completion of all the tasks, I have demonstrated the thorough understanding of the covered concepts and theories, as well as the practical application of these ideas. I have successfully finished the tasks that relate to the unit learning outcomes of Client-side Application Design and Development, as well as Option Identification and Application Deployment through creating static web pages by using HTML, Boostrap and Javascript. The unit learning outcomes of Explain Web Technologies and Web Service Design and Implementation were demonstrated through the completion of tasks that relate to coding with Javascript and Node.js. The unit learning outcome of Achieved Outcome Justification was demonstrated to be met through comparing the outcomes of the tasks and their initial design plans.

I believe by demonstrating the alignment to all the unit learning outcomes, I should have reached the level of High Distinction.

Reflections

The most important things I learnt:

I have learnt about the web technologies in general, how to create stylish web pages with HTML, CSS, Bootstrap and Javascript, how to work with the server with Javascript and Node.js to create dynamic web applications. The content offered in this unit was very broad and abundant, I believe all the points are essential. I have learnt more than I expected before the start.

I feel I learnt these topics, concepts, and/or tools really well:

I feel confident about creating professional looking web pages now, since I have been doing plenty of practice and I have improved my ability to find and read documentations in case I need to apply some new techniques.

I found the following topics particularly challenging:

The concepts of how to work with the server was challenging for me. As this is a brand-new topic for me, it took me some time to learn about the concepts and to practice the programming part. With enough amount of practice, I'm feeling quite confident about this part now. I felt I was not good at reading the documentations and materials while learning and researching about new concepts, my reading was not efficient. However, it did start to get better with more and more practice.

I found the following topics particularly interesting:

In fact, every topic covered and all the tasks in this unit are interesting to me. Since we all spend a long time on different web sites everyday, I appreciate everything I learnt from this unit. They are not only useful, but also fulfill my curiosity about the technologies.

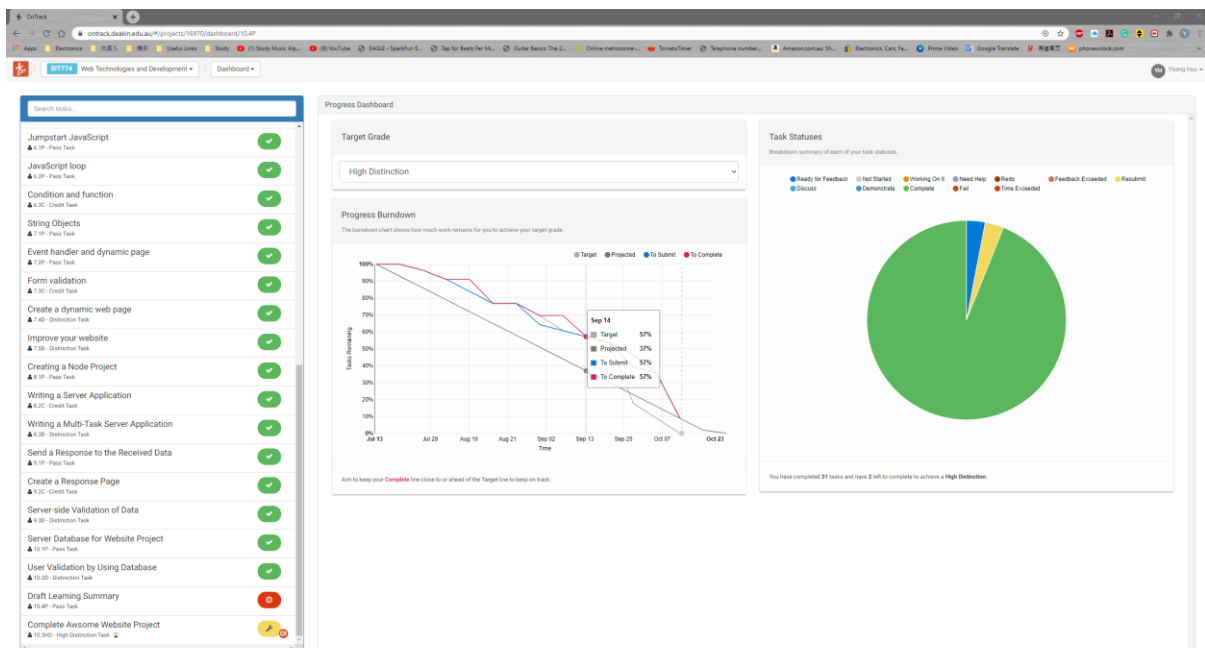### I still need to work on the following areas:

My plan for the next step will be to practice more. I will start work on some interesting project on my own with my free time and try to explore deeper with the knowledge I gained in this unit. I believe my skills will be brushed up and I will be more proficient in the web technologies.

The things that helped me most were:

The most helpful resources include: the cloud Deakin content, W3schools tutorials and various documentations online. The cloud Deakin content helps me with consolidating the contents covered in the lectures, W3schools tutorials and other documentations helped me everytime I stuck with something specific while doing tasks.

My progress in this unit was …:

During the unit, I tried to complete all the pass tasks at first and work my way up towards higher grades. The graph indicates that I started to complete the higher grade tasks towards the end of the trimester.

If I did this unit again, I would do the following things differently:

During the unit, I tend to study and work on my own, I only do the research on my own to work out the issues that I faced at the time. I should have tried to reach out to the tutor and fellow students more, that is not only an efficient way to tackle problems, but also a great way to learn about different perspective of thinking. I will try to apply that to my studies in the future.