MONASH University

FIT5032 Learning Summary Report

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Self-Assessment Details

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

	Pass	Credit	Distinction	High Distinction
Self-Assessment (please tick)	√	√	√	√

Self-assessment Statement

	Included (please tick)
Learning Summary Report	√
Progress on Pass Tasks	√
ASP.NET C# applications that demonstrate coverage of core concepts	√

Minimum Pass Checklist

	Included (please tick)
Progress on Credit Tasks	√
All Pass Tasks signed off in Doubtfire	√
Assignment Application meets Credit Requirements (or more)	√

Minimum Credit Checklist, in addition to Pass Checklist

	Included (please tick)
Credit and Pass Tasks done, and Progress on Distinction Tasks.	√
Assignment Application meets Distinction Requirements	√
Design report meets Distinction Requirements	√

Minimum Distinction Checklist, in addition to Credit Checklist

	Included (please tick)
Distinction Tasks Done, and Progress on High Distinction Tasks.	√
Assignment Application meets High Distinction Requirements	√
Design report meets High Distinction Requirements	√
Research report meets High Distinction Requirements	

Minimum High Distinction Checklist, in addition to Distinction Checklist

Declaration

I declare that this learning summary and the linked portfolio of work 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:＿＿＿＿＿＿＿＿Luyang Ye＿＿＿＿＿＿＿＿

Introduction

This report summarises what I learnt in FIT5032 Internet Applications Development. It includes a self-assessment against the criteria described in the unit outline, a justification of the pieces included, details of the coverage of the unit's learning outcomes, and a reflection on my learning.

Overview of Pieces Included

This section outlines the pieces that I have included in my portfolio…

1. T1.1 HTML Helloworld: I learnt how to use VS to create a html page.
2. T1.2 ASPX Helloworld: I learnt how to use VS to create a aspx page.
3. T1.3 HTML Forms: Get familiar with form in html.
4. T2.1 ASP.NET server controls: Created a asp page with labels and buttons.
5. T2.2 ASP.NET Label and Button Controls: Learnt how to use button and its actions.
6. T2.3 More ASP.NET Server Controls: Get familiar with CSS, calendar control, check box, and radio button list.
7. T3.1 Master Page: Leant how to use master page and content page.
8. T4.1 Validation Controls: Get familiar with all kinds of validation controls that asp.net provide.
9. T5.1 Using Database Access: Learnt how to use VS create a page that connected with database and show this database in the browser.
10. T6.1 Sending Emails: Learnt how to send request to email server and also combined with databse.
11. T6.2 Uploading Files: Learnt how upload files like image to the database.
12. T7 Introduction to ASP.Net MVC: Learnt how to create a simple MVC website on VS.
13. T8 Extended ASP.Net MVC: Learnt how create a MVC website with database.
14. Credit Part Code and Report: I used what I have learnt to create a basic website contains few features like master page and content page, validation, calendar and so on.
15. Distinction Part Code and Report: I added more features based on credit part website like database and authentication.
16. High Distinction Part Code and Report: I used MVC knowledge that I had learnt to create a website based on MVC scheme and also used JQuery to improve the usability of this website.

Coverage of the Learning Outcomes

This section outlines how the pieces I have included demonstrate the depth of my understanding in relation to each of the unit's learning outcomes.

LO 1: demonstrate the impact of the history of web applications development on current web-technology;

The following pieces demonstrate my ability in relation to this LO:

- Test 1.1 Hellowworld.aspx demonstrates a dynamic web page running on the server side and it is different from the previous static html only webpage.
- Test 7 MVC website shows a scheme that can separate Models, Views, and Controllers and developers can easily design their website.

LO 2: design, construct and publish web-database applications;

The following pieces demonstrate my ability in relation to this LO:

- The Distinction Part Code shows my understanding of how to use master page and content page in a smart way and how to add controls and validations to the database.
- The High Distinction Part Code shows my understanding of how to use MVC structure and also how to create controls based on its database.

LO 3: analyse and critique the key technological issues confronting developers building web-database applications;

The following pieces demonstrate my ability in relation to this LO:

- Developers should have big picture of what the website should be look like and then they can go to design the more detailed features. For example in the Credit Part Code design, I design the master page first and concentrate on content pages later. This can save more time and I think it is very important to find the common features of all these pages first that could be more efficient.
- When using the MVC structure, it is not easy to understand the relationship between models, views, and controllers at first time (at least for me). But after a comprehensive understanding, I think MVC structure is really helpful to design a website. It helps the developers to separate each sections easily which I think is really logical.

LO 4: test the key features of programming languages which are commonly used for developing web-database application;

The following pieces demonstrate my ability in relation to this LO:

- Task 4.1 Validation helps me learnt how control users input and protect the website from being crushed.
- Task 5.1 Database Access helps me understand how to create a simple website that can connect to a database.
- Task 6.1 and 6.2 combine database upload and email server together. How to use email server to send an email and how to upload files like images to the database.

LO 5: assess the MVC design pattern and construct a web-database application using the MVC design pattern;

The following pieces demonstrate my ability in relation to this LO:

- The High Distinction Part Code shows my understanding of MVC design and now I am pretty confidence of conducting this design. Also I used what I have learnt to create a database based system that allows CRUD operations to this database.

LO 6: apply, analyse and critique a professional approach towards the development of web-database applications.

The following pieces demonstrate my ability in relation to this LO:

- In my opinion, the simple web form page is easy for users to view the page in the shortest time compared with MVC structure. Users can download smaller packages and it seems has less delay. But the problem is this kind of page is not easy to maintain or reuse.
- On the other hand, MVC structure is a really better choice if developers aim to build a large website which has lots of features. MVC is more easy for maintenance and has more clearly logic. When new developers join in the team they can easily read the structure of previous work. And obviously in Visual Studio lots of work has automatically done for MVC development. Thus it is really convenience for developers to conduct their idea.

Reflection

The most important things I learnt:

For me, MVC and JQuery are pretty unfamiliar to me at first place so I am glad that I can finally know how to conduct these tools. But I think the most important thing I learnt is that design is more important than writing the code. When I am doing the Credit part task and HD part task, I saved lots time because I designed these website first so that I don't need to rebuild the master page or database again and again.

The things that helped me most were:

I think all the lab tasks are really helpful because I think there is no difficult concept in this unit. But conducting your idea is another story. Practicing a lot can really save more time later.

I found the following topics particularly challenging:

JQuery and MVC structure are pretty challenging because I'm not familiar with these tools.

I found the following topics particularly interesting:

JQuery is pretty interesting because I think these scripts really improve the usability of webpage. Still lots of cool functions wait for me to dig more.

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

MVC concept is really good for new developers like me. After I totally understand this structure, I find out not only website design but also all the software design can based on this structure and it is really logical and easy to think.

I still need to work on the following areas:

CSS: My website usually only meets the requirement but the design is terrible. I should take more time dive into this area.

JavaScript: A really useful tool and also pretty interesting.

My progress in this unit was …:
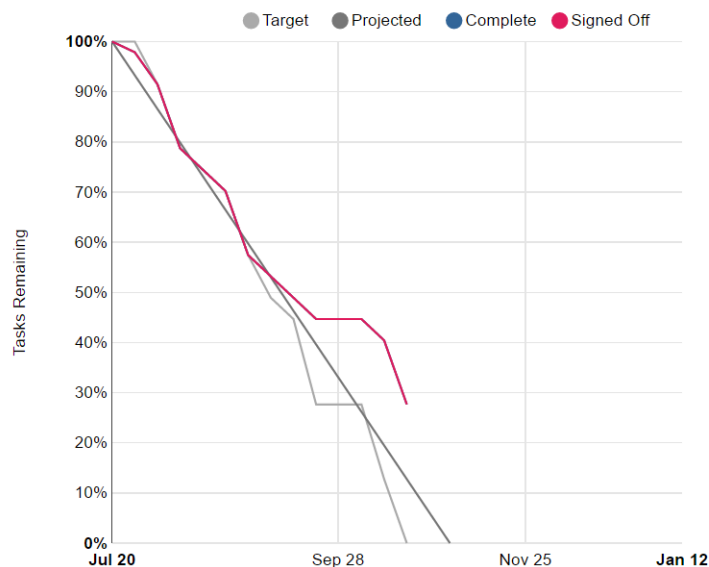
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| Progress | Feedback | Labs | My Portfolio |

Burndown Chart

Legend: ○ Target ● Projected ● Complete ● Signed Off

Y-axis (Tasks Remaining): 100%, 90%, 80%, 70%, 60%, 50%, 40%, 30%, 20%, 10%, 0%

X-axis: Jul 20, Sep 28, Nov 25, Jan 12

Target Grade

High Distinction ▾

Task List

C1	T1.1	T1.2
T1.3	T2.1	T2.2
T2.3	T3.1	T4.1
T5.1	T5.2	T5.3
T6.1	T6.2	T7.1
T8.1	T8.2	T8.3
T10.1	T10.2	LS
T11.1		

I think this system is brilliant I don't know why it hasn't replaced our Moodle system. It is important to let students know they should have schedule of their learning process not just like do all the works before due time. I think my process is pretty well and I am glad that I don't need to be so stressful thanks to this system.

This unit will help me in the future:

ASP.NET is just one language or tool in web design area, I am glad that I start good beginning and learnt a lot. This unit helps me build a pretty well foundation in this area and now I know what I am lacking of and have goal to study more.

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

Honestly I tried my best in this unit so I don't think I will change my way of study this unit, maybe if I have more time I will challenge the research report to learn more.

Other…:

At first I was kind of terrified by the amount of assignments of this unit. But now I think all these tasks are pretty necessary in the process of learning this unit. Practice is really important and thanks to all these lab tasks that I can finish all the tasks on time.