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| ttp://acems.org.au/acems_wp/wp-content/uploads/2015/09/QUT_Logo_2Lines_CMYK.jpg | **IT Capstone**  **IFB398 Assessment 1b Skill Development Plan** |

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| **Student Name:** | **Seyoung Kim** |
| **Student Number:** | **N9332260** |
| **Group Number:** | **14** |
| **Tutor:** | **Jimmy** |

**Skill to be acquired or improved**

I used only little bit of HTML, CSS, php and JavaScript skills for the assignment when I studied developing website in unit IFB299. I know basic of the HTML and CSS for front designing website that users see. Therefore, I should improve overview of front-end and back-end technologies, as well as essential developer tools for troubleshooting, performance optimization and collaboration. I will acquire skills such as making user stories to know what users need, planning database design and website outlook. Specifically, I will study the basics of Web internals, HTML, CSS, JavaScript, Python, Django, MySQL, Chrome Developer Tools and Git for version control. Furthermore, I will improve communication skills with project manager, industry partner and my group members.

**Relevance to the project, and to your role within the project**

I will develop a comprehensive and optimised system on website that benefits both students and the unit coordinators. Our team member studied basic python in the past so that we decide to develop it with python with Django. In the specific, I will focus on front–end part of our web site more than back -end part. I will improve my skills of developing front-end that the user sees such as the pages, the styling and the interactive features. These are typically coded using languages like HTML and CSS that I studied in IFB299. I will use JavaScript and Python that make modern websites rich and interactive. I will also support the back-end part containing the logic to retrieve and process the information for the front end to display. Back-end development typically requires writing server programs so that I will learn Django with MySQL. I will study git hub for version control and slack for team communication.

**Plan to acquire this skill**

* **Study the basics of front-end Design - Week1**
  + Creating views (Paper prototype and UI design) (5 hours)
  + HTML & CSS (5 hours)
* **Study the basics of Python - Week2**
  + Basic & Operators and Expressions & Control flow (5 hours)
  + Modules & Data Structures & Problem solving (5 hours)
* **Study Django (Develop Simple Web) – Week 3**
  + Object Oriented Programming & Input and Output (5 hours)
  + Standard Library & Exceptions & More function (5 hours)
* **Study Django (Develop Simple Web) – Week 4**
  + Creating an APP, Models and a Databse (2.5 hours)
  + Building Admin Interface and Django Rest Framework (5 hours)
  + Editing Data - saving, updating and deleting data (5 hours)
* **Study Amazon Webservice – Week 5**
  + Using AWS – S3 for storing and retrieving any amount of data (5 hours)
  + Review (2.5 hours)

Basically, I will use codeacademy for studying HTML, CSS and python and Django. Besides, I will study AWS on Youtube and Online Text book.

**Plan to demonstrate that you have acquired this skill**

We showed the user stories to tutor and he let us know what we need or not and we fixed them. We will design database based on user stories and we will let tutor know on the meetings. Also, I will start to study basic of website by using python and Django using codeacademy or textbooks and I will capture of certificate or process of following the course on the codeacademy or the textbooks. Furthermore, when we start developing after planning, we will show what we consider about and how we decide a decision by using slack, GitHub and Facebook.