



ASSIGNMENT COVER SHEET

For use with online submission of assignments

Please complete all of the following details and then make this sheet the **first page of each file of your assignment – do not send it as a separate document.**

Your assignments must be submitted as either **Word documents, text documents with .rtf extension or as .pdf documents**. If you wish to submit in any other file format please discuss this with your lecturer well before the assignment submission date.

Student Name:	Yexuan Liu
Student ID No.:	24275099
Unit Name:	ISYS3001 Managing Software Development
Unit Code:	ISYS3001
Tutor's name:	Zhenjin Huang
Assignment No.:	Assessment 2
Assignment Title:	Practical Skills
Due date:	25 September 2023 11:59 PM (AEST)
Date submitted:	24 September 2023 10:11 PM (AEST)

Declaration:

I have read and understand the Rules Relating to Awards ([Rule 3 Section 18 – Academic Misconduct Including Plagiarism](#)) as contained in the SCU Policy Library. I understand the penalties that apply for plagiarism and agree to be bound by these rules. The work I am submitting electronically is entirely my own work.

Signed: _____
(please type
your name)

Yexuan Liu

Date: 24 September 2023 10:11 PM

Github

Id: lyx6662

Configuration Management

Change management

Change management is about continuous innovation, but also to change the existing unreasonable work system, let developers work with each other, rather than alone to complete a series of code writing changes. Change management is not something that can be implemented immediately, it needs to get developers in touch with each other, let them get used to each other for a while, and then let them work together, change management needs a certain transition period.

Version management

Version management is to manage and track changes to the code, and this way of managing changes can speed up the development of the program. In the case of an error in the program code, the progress saved before can be returned, making the code more convenient to write. In the code writing process, the source code is very critical, with version management, developers can always access the previous version, the source code will not be changed, at any time can be called back to the previous version.

System building

With the continuous expansion of the scale of the software, the code needed to be written is no longer a few brief modules, the program needs to be written into multiple modules allocated to developers, so the system needs to be built, and the built modules are allocated to developers. Good communication among developers is maintained to ensure that developers can write better code and can better transfer program processes.

Release management

Release management is the program after the release, constantly update the system, and record the version number of the system and the corresponding release time and the changed content. Test the software before it is released, using automated deployment and manual deployment, discover problems with the version system, respond to those problems to the developers, and address them.

Request for Proposal

- Background on your organisation

The company name of your company is Aussie Business Buzz, and the main business is technical product sales and maintenance, and mobile equipment sales. The company now has four locations and wants an integrated system to support those locations, and wants the system to grow to cover more of the company.

- Requirements

1. Database storage system. A database is used to store and manage the information of the equipment and services purchased by the customer, as well as the equipment that the customer needs to maintain, and store the user's personal information and other needs. The company has 4 branches, a large number of customers, customers order products and after-sales maintenance, etc., need a large number of manpower to record customer information, the use of database storage system can increase work efficiency and reduce work complexity.

2. Network sales system. A marketing system based on multimedia and network. This marketing system will recommend and market the company's products through the customer relationship database. The company is mainly engaged in the sales and maintenance of technical products, which have great advantages in Internet sales. Now the

logistics industry is quite developed, and the purchase and maintenance of communication equipment can only be completed by express delivery, and promotion through social media. It also has a certain effect on exploring potential users.

3. Company inventory management system. A system for managing a company's inventory, including unsold products and parts used for maintenance, and managing automated orders for products. The system should cover all branches to make it easy to find product parts. If there is a contradiction between various stores such as inventory supply, it will bring unnecessary trouble to customers. Once there is an inventory management system, the company can allocate more resources to supplement less resources, and let the stores with more inventory deliver online sales, which can reduce unnecessary waiting time and increase work efficiency.

4. Reporting system for managers. A system that can report all information to administrators, enabling them to make better decisions and manage company events. Sort out and report some things that employees can't handle, and report them to upper management, so that lower staff can handle the conflict with customers.

- How do you evaluate the proposals?

There are many ways to examine a company's capabilities.

First of all, you can refer to the company's historical performance, the company has 4 branches, you can unified investigation of the store sales performance, understand the company's sales quality.

Secondly, you can understand the technical level of the company's maintenance department, as well as the business communication ability of the sales department, to understand whether the company has an excellent level of sales and maintenance.

Then, investigate the company's research and development capabilities, investigate whether the technical products sold have enough innovation ability, whether there is innovation.

Then, assess the management capabilities of the company, understand the management model of the company's employees and how different departments work together, and investigate the project management flow chart to ensure that the company's management capabilities are properly assessed.

Finally, understand the industry knowledge, understand the company's market situation, sales situation, to judge the company's development potential.

- How to get additional details about projects

1. Contact ABB directly and learn more about the company through the company's direct statement.

2. Visit the company's official website and the company's registration data in the government, and learn about the company's situation in the company's public data.

3. Visit the companies that cooperate with the company and learn about the company's situation through the data provided by the partner companies.

- Budget/Time frame

DATE	INCIDENT
2023/9/25	RFP release
2023/9/30	Vendor responds to this RFP
2023/10/3	Modify and submit new solutions

2023/10/5	Sign a contract
2023/11/1	Start deploying the project
2023/12/20	Completion of project development
2023/12/22	Supplier inspection and comment
2023/12/23	Modify item
2023/12/25	Supplier rechecks the item
2023/12/26	Project completion acceptance

In the first stage, project planning and division of labor, the project will be divided into 4 modules, each module corresponds to each key point proposed by the supplier. Each module requires an allocation of about \$5,000 for hiring developers and testing projects, and another \$5,000 for purchasing equipment for developers and building the company's internal network systems.

The second phase, inspecting the project as a whole and communicating changes to the developer, costs \$500. Post-project maintenance costs \$100 / month, and post-project updates cost \$1,000 / time.

Contact information:

Tel: +86 17357053826

Email: lyx2703466790@163.com