**ASSIGNMENT COVER SHEET**

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| Student Name: | **Jialong Yang** |
| Student ID No.: | **24275196** |
| Unit Name: | ISYS3001 Managing Software Development |
| Unit Code: | ISYS3001 |
| Tutor’s name: | **Zhenjin Huang** |
| Assignment No.: | Assessment 2 |
| Assignment Title: | Practical Skills |
| Due date: | 22 September 2022 11:59 PM (AEST) |
| Date submitted: | **9.25** |

Declaration:

*I have read and understand the Rules Relating to Awards (*[*Rule 3 Section 18 – Academic Misconduct Including Plagiarism*](http://policies.scu.edu.au/view.current.php?id=00140#s18)*) 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.*

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| Signed: | Jialong Yang |
| (please type your name) |  |
| Date: | 9.25 |

**GitHub User Name: 1w23y**

Configuration Management

1. Change management

The company shall implement strict priority management for any change, record all change information, and allocate development resources according to priority. In this way, the change is tracked and controlled, and the change is clear, concise and effective.

2. Version management

You can use a centralized system or a distributed system to ensure the independence of the different versions while recording changes, coordinating and managing each version. Version control can reduce redundant data while ensuring the independence of each version and enhancing the efficiency of cooperation between teams.

3. System building

In the system construction, continuous integration or agile development process can be used to build the system. Continuous integration is to discover and solve problems through frequent integration and testing, agile development is to develop through a step-by-step approach.

4. Release management

In terms of release management, it is important to clarify when new versions are released, but also to accurately track and record the content of the release to ensure that the same system can be created. The configuration of the version should be determined at the time of release, taking into account the user version. You can also set up some feedback mechanisms to collect suggestions and questions.

# Request for Proposal

* Background on your organization

Aussie Business Buzz (ABB), a company that sells a variety of electronics products, wanted an integrated system to support their four stores and expand to many more locations.

* Requirements

1. Customer relationship database:

(1 store and manage customer information.

(2 store customer purchase product records.

(3 Database has good scalability for future expansion.

(4 Record customer questions and suggestions.

2. Digital marketing system:

(1 can connect to the network, social media and mailbox.

(2 can connect to the database, and can deploy customer information in the database.

(3 connect to commercial websites to obtain potential customer information and expand user groups.

3. Inventory management system:

(1 can comprehensively track all products transported.

(2 can cross-regional query the transportation situation and transportation status of each product.

4. Management reporting system:

(1 can convey information in real time to ensure that the information is effective.

(2 management can view inventory, employees, customers, sales and other information to facilitate decision making.

* How do you evaluate the proposals?

1. Whether the system designed by the company is stable and can operate normally.

2. Whether the system meets the requirements and whether it is different from the system expected by the company.

3. Whether the scalability of the system can support future system expansion.

4. Whether the cost of the system and the benefits brought by the system can meet expectations.

* How to get additional details about projects

1. Consult the project document to find the historical information about the project.

2. Consult the source code to understand the specific project structure.

3. Consult project developers and related personnel.

Phone number: 123456

E-mail: [123@123.com](mailto:123@123.com)

* Budget/Time frame

|  |  |  |
| --- | --- | --- |
| date | phase | budget |
| 1.1 - 1.30 | Demand analysis | 20,000 |
| 1.30 – 2.27 | System design | 10,000 |
| 2.27 – 3.3 | Transition stage |  |
| 3.3 – 7.1 | Development stage | 60,000 |
| 7.1 – 7.10 | Transition stage |  |
| 7.10 – 7.25 | Test phase | 20,000 |
| 7.25 – 8.5 | Transition stage |  |
| 8.5 – 8.20 | On-line deployment phase | 10,000 |
| 8.20 – 8.30 | Optimization phase | 5,000 |

1. Company Information:

We are a team that specializes in system development, and you can see our team involvement in most systems around the world. Our team members have rich working experience and have a certain degree of innovation, which has always been our strength in system development.

2. Company Background:

Our company was founded in 1999, has a history of more than 20 years, is a specialized software development enterprise. Our company is located all over the world, serving global enterprises, developing a variety of different software has a strong service ability. The managers have a wealth of management experience and understanding of the software development process, and have made great contributions to the company.

3. Contact Information:

Phone number: 123456

E-mail: [123@123.com](mailto:123@123.com)

4. Solution:

Contact us if you have any problems

5. Development plan:

Achieve a database that can be continuously expanded to meet the future development of the enterprise. At the same time, the data is grouped into different regions to ensure that the region can be selected and the data of the selected region can be quickly retrieved.

6. List of tasks:

(1. Analyze requirements

(2. Design the system

(3. Develop the system

(4. Test the system

(5. Release the system

(6. Maintain and upgrade the system

7. Technical requirements:

(1. High-speed processor, sufficient memory and stable network environment

(2. Java, Python and other programming languages

(3. Database technology

(4. Network security technology

(5.web development technology