**ASSIGNMENT COVER SHEET**

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| 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: | 25 September 2023 |

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" \l "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: | Bo Zhang |
| (please type your name) |  |
| Date: | 25 September 2023 |

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**Configuration management**

1.Change management

First, it should be determined that change management should be the responsibility of a specific person at a specific time, and determine the implementation plan. Secondly, relevant personnel can issue change requests when problems such as repair errors, user needs, platform replacement, other system changes, and business requirements occur. Priority should be given to projects that require more change, such as those with a wide range of impacts and the needs of key customer groups, while considering the cost of change. When developing a system, change requests are closely linked to the development process, and priorities need to be adjusted from time to time.

1. Version management

It is recommended to use a distributed version management system, which allows developers to do push and pull operations while working locally,

Perform information interaction with the main database. Reduce integration issues while increasing developer collaboration. Conduct code review and testing to ensure code quality and security.

1. System building

Add a version control system for code management to reduce integration issues. Use continuous integration tools to identify and resolve integration issues in a timely manner through the tool's automated build and test process. Regular system testing to resolve integration issues and project delays

1. Release management

Developers need to maintain and update multiple versions and push the updated content to users in a timely manner. Manage components such as executable code, configuration files, data files, and installers according to a release plan to maintain version consistency. Make a thorough release plan in advance and release it at a good time.

**Request for Proposal (RFP)**

**1.Background on your organisation**

Australian Business Buzz (ABB) is a company that sells a variety of technology products and provides equipment Companies that supply repair and mobile equipment accessories.

**2.Requirements**

(1)They need a customer relationship database that contains the information needed to purchase and maintain information and equipment.

(2)They need a digital marketing system that allows advanced marketing technology to integrate email, social networks and online databases with our customers.

(3) The system is responsible for bulk commodity sales, wholesalers purchase parts and have the ability to research different items and parts

(4)There is a need for a reporting system to provide managers with all the information they need for procurement, human resources and other management decisions.

**3.How do you evaluate the proposals?**

(1) Review the supplier's company background, history, service capability and quality of management personnel by reviewing the supplier's company information and past cases solved on similar projects.

(2) Evaluate whether the solution proposed by the supplier meets our requirements in terms of features and functions by reviewing the supplier's solution, solution summary and preliminary design works.

(3) Review the task list and timeline provided by the supplier to review the technical level of the supplier. Evaluate whether the supplier's development plan can be completed in time and address the needs.

(4) Evaluate whether the projects in the budget plan are reasonable and exceed our budget through budget proposals from multiple suppliers.

**4.How to get additional details about projects**

Get more details by having a project meeting

You can ask:

(1) What are the specific requirements of the project? Are there any special requirements and restrictions?

(2) The timing of the project, when the project started and when it needs to be completed.

(3) What is the budget of the project? Is there a maximum or minimum limit?

(4) What does the project need to achieve to meet delivery standards

(5) What are the members of the project? Are there professional requirements?

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1. **Budget**

The budget is set at $1 million and the following is the proposed budget allocation:

(1) Human Resources costs: AUD 400,000

This includes the salaries and benefits of project team members and the cost of technical consultants and professionals required to be hired.

(2) Cost of technical equipment and tools: AUD 200,000

This includes non-staff costs such as the purchase of servers and the software tools needed for development.

(3) Contract fee: AUD 200,000

Includes contracting fees paid for working with suppliers

(4) Reserve funds: AUD 200,000

Solve funding problems caused by changing requirements or insufficient reservation during the development process. And reserve some funds for ongoing expenses such as renting servers.

1. **Time frame**

September 1: RFP (Request for Proposal) issued/RFP sent

September 4: RSVP participation deadline

September 8-11: Conference call with vendors to discuss RFP.

September 22: Deadline for suppliers to submit proposals

September 28: Selection of final candidates

October 5-7: Final supplier presentation

October 11: Final candidates

October 25: Target project start date