**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 tosubmit in any other file format please discuss this with your lecturer well before theassignment submission date.

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| Student Name: | **Juliana Hashimoto Castro de Lima** |
| Student ID No.: | **23864153** |
| Unit Name: | ISYS3001 Managing Software Development |
| Unit Code: | ISYS3001 |
| Tutor’s name: | **Robin Gao** |
| Assignment No.: | Assessment 2 |
| Assignment Title: | Practical Skills |
| Due date: | 29/01/2024 |
| Date submitted: | **29/01/2024** |

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: | Juliana Hashimoto Castro de Lima |
| (please type your name) |  |
| Date: | 29/01/2024 |

# Part I - Code/file version management Screenshots

* Fork

A screenshot of a computer

Description automatically generated

* Modify
* Pull Request

# Part II - Give your advice on the following process in a few sentences

**Change Management**

Establish a change management process to track and control modifications to the software, including documenting proposed changes, assessing their impact and obtaining approvals before implementation. In addition, encourage collaboration among developers and ensure that changes are communicated effectively to prevent integration issues. *(Southern Cross, ISYS3001-2024-ST Module 2 – Maintenance and Version Control)*

**Version Management**

Implement a version control system like GitHub to track changes in the source code. Encourage developers to use branches for bug fixes. Regularly merge changes from different branches to maintain a consistent codebase. *(Southern Cross, ISYS3001-2024-ST Module 2 – Maintenance and Version Control)*

**System Building**

Automate the build process to create a consistent environment for development. Use build tools to compile code, manage dependencies and generate executable outputs. This will reduce integration issues by ensuring that all developers are working with the same dependencies and build configurations. *(Southern Cross, ISYS3001-2024-ST Module 2 – Maintenance and Version Control)*

**Release Management**

Develop a structured release management process to plan, schedule and deploy software releases. Clearly define release criteria and conduct thorough testing before deploying to production. Utilize deployment automation tools to minimize manual errors during the release process. Foster collaboration between development, testing and operations teams to ensure smooth transitions from development to production. *(Southern Cross, ISYS3001-2024-ST Module 2 – Maintenance and Version Control)*

# Part III - Request for Proposal (RFP)

System Description: Aussie Business Buzz (ABB) is seeking proposals for an integrated system to enhance its operations across four branch shops with future expansion plans. The system aims to improve customer relations, streamline marketing efforts, optimize stock management and facilitate effective management reporting.

Nominated Solutions are needed to address critical business needs:

**Customer Relations Enhancement**

Build a comprehensive customer database, enabling personalised service and efficient management of product purchases and device repairs.

**Marketing Efficiency**

Implement a modern marketing system utilizing email, social media and other techniques. This will not only improve engagement with existing customers, but also, allow the integration of prospective customer details from the Aussie Business Buzz website.

**Optimized Stock Management**

Establish a robust stock management system that includes products for sale, repair parts and automated ordering. This solution will improve inventory control and streamline processes across individual locations.

**Management Reporting**

Provide accessible reports for management, helping in decision making related to stock orders, staff recruitment and overall business strategy.

Evaluation Criteria for Proposals will be assessed based on:

- Alignment with business needs and the extent to which the proposed solution addresses the specified business requirements.

- The ability of the proposed system to accommodate future expansion plans.

- Integration capability with existing systems, particularly the Aussie Business Buzz website.

**Cost-effectiveness**

Clear presentation of costs associated with the proposed solution.

**Managing Vendor Responses**

All questions regarding this RFP can be submitted via email to the manager at manager@abb.com.au

Responses to questions will be communicated in 5 business days.