

## 1. Declaration

I, [Student Name], declare that this assignment, titled [Assignment Title], is my own original work and has not been copied from any other source except where explicitly acknowledged. I have not engaged in plagiarism, collusion, or any other form of academic misconduct in the preparation and submission of this assignment. All sources of information and data used in this assignment have been properly cited and referenced in accordance with the prescribed guidelines. I have not used unauthorized assistance in the preparation of this assignment and have not allowed any other student to copy my work. I am aware that any breach of academic integrity may result in disciplinary action as per the [policies of Monash University](#), which may include failing this assignment or the course, and further academic penalties.

Signature: William Lay\_\_\_\_\_

Date: 30/08/2024

## 2. Github Check

Enter your Github details here.

Github Username <i>Enter your username here</i>	whua0022
<b>A2 Shared?</b> <i>Have you started and shared your assignment repository with your tutor yet?</i>	<a href="https://github.com/whua0022/FIT5032-beyond-blue">https://github.com/whua0022/FIT5032-beyond-blue</a>

## 3. Self-Evaluation

Rate your performance for each criteria. Put a ☒ (tick) in the box where you think your work belongs.

Criteria	Exceeds Expectations	Meets Expectations	Needs Improvement	Fail to meet expectations
BR (A.1): Development Stack and Coding		<input checked="" type="checkbox"/>		
BR (A.2): Responsiveness		<input checked="" type="checkbox"/>		
BR (B.1): Validations		<input checked="" type="checkbox"/>		
BR (B.2): Dynamic Data & Data Structure		<input checked="" type="checkbox"/>		
BR (C.1): Authentication		<input checked="" type="checkbox"/>		

BR (C.2): Role-based authentication	✓			
BR (C.3): Rating		✓		
BR (C.4): Security		✓		

## 4. Screen Recording of BRs

Create a 3 minute video showing your basic web application in action! Upload this video to your Google Drive and put the link here (ensuring that you have updated the access list so its not private).

Vite App — Mozilla Firefox 2024-08-30 13-43-54.mp4

## 5. Reflections: Implementation of C.4 Security

If you have implemented BR C.4, in less than 200 words describe the approach that you have taken to implementing Security in your application. What security flaws were you trying to prevent and what security measures have you implemented to fix those flaws? How do you know that these measures will help prevent those issues from happening? Optionally you can cite external sources to provide evidence for your claim.

As the current state of the application relies on localStorage to store the user data and a very basic authentication system, the major flaw is the ways to store the credentials securely. I understand that using localStorage is absolutely not ideal to store key information such as login details of a user, however I was under the assumption that this would simply be a basic application without proper authentication practices. Thus, I simply hashed the password when an account is created to add a small layer of security for the accounts so it's still a challenge to access another person's account. Another aspect, is using a primitive form of a session token, where I simply created a global store user variable to store the information about the user which will be refreshed if the page is refreshed.

## 6. Reflections: Challenges

What has been the most challenging part of this assignment for you? How has this stretched you as a programmer?

The most challenging part of the assignment is utilising Vue, I come from a React background and Go/HTMX background and so had to adapt to the Vue style of doing things. As I was trying to keep things as minimal as possible as I was unsure of how well Vue applications blend with certain libraries and how the Vue supported libraries worked correctly. Thus I kept things as simple which helped me build my Javascript skills well. ANother challenge I had was with styling, I'm not very proficient with design and do lack skills with CSS, utilising Bootstrap does help greatly however.

## 7. Declaration: Additional Help

Any tools that you used (including Gen AI or existing code reuse) must be declared here.

**Note:** GenAI is not allowed for coding purposes in any assignment,

However, you may use GenAI for brainstorming and problem solving. You need to declare all such uses here.  
One row per help used.

Name	Description