

Qirui Zhang

33994056

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: _____ Qirui Zhang _____
_____ 1/9/2024 _____

Date:

2. Github Check

Enter your Github details here.

Github Username <i>Enter your username here</i>	zqrs23333
A2 Shared? <i>Have you started and shared your assignment repository with your tutor yet?</i>	zqrs23333/NoMash-Library: The VueJS app being built during Studio Labs in FIT5032-Clayton-2024. (github.com) github_link: https://github.com/zqrs23333/NoMash-Library.git

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		✓		
BR (C.1): Authentication	✓			
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).

https://drive.google.com/file/d/1fh_GH1wnaDe6MidTlquhUCUxuGzKTPRD/view?usp=drive_link
(make sure in the access settings you have shared it with your tutor OR set the permissions so that anyone with Monash account can video the video)

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.

First, for XSS protection, I ensured that all user inputs are validated both on the client side and the server side. All web page links are validated in the `index.js` file, so unauthorized users cannot access restricted areas. Additionally, I used the AES symmetric encryption algorithm to encrypt all passwords stored in local storage. This ensures that people cannot use developer tools to find and access passwords in local data. Lastly, I did not place any particularly sensitive data in local HTML files, which further ensures the security of the data.

6. Reflections: Challenges

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

Actually I want to use flask build a back-end and finish as a full stack assignment at first,but however, I find it will cause some other problem like whether I need to connect to database to store data.What's more ,to use the Encryption algorithm to encrypt It is very troublesome for me,I need to study to use the new library.It cost me such a long time ,nearly half week to finish it.At last is the UI set,It's very confused for me to make the UI more beautiful.And store the data to the local also cost me a little time,however,local data is useful for this assignment.Without it I can't finish the ass2.

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
<i>Example: ChatGPT for brainstorming ideas</i>	<i>I used ChatGPT to brainstorm how to do X because I was feeling stuck with Y problem.</i>
Dalle for generating the ui forme	I used the ai generating graph for this unit's icon.
Use git hub to find code	I used the github to find the Encryption algorithm and decryption algorithm,and how to build the forum,So I get an existing code reuse
Use the chatgpt as translation	To answer the question 5,I use the chatgpt as a translation to make my language fluency