

1. Declaration

I, Yujie Hu, declare that this assignment, titled A2: Basic Web App, 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: ____Yujie Hu____

Date: ____02/09/2024

2. Github Check




Enter your Github details here.

Github Username <i>Enter your username here</i>	yujie-huu
A2 Shared? <i>Have you started and shared your assignment repository with your tutor yet?</i>	https://github.com/yujie-huu/https---github.com-yujie-huu-fit5032/tree/main/yujiehu_fit5032_assignment

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).

<https://drive.google.com/drive/folders/1M9Owuzlsh89dWWZOwojyJXgvUnPNamZv?usp=sharing>
(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.

In implementing security for the web application, I focused on preventing unauthorized access, protecting sensitive information, and mitigating common vulnerabilities. I implemented user authentication and ensured that users could only access their own data by verifying that the logged-in user's account matches the provided username. Unauthorized users are automatically redirected to the login page, preventing access to private information. This approach helps protect against unauthorized access and data breaches.

6. Reflections: Challenges

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

Hard to identify the source of error when I have so many nested components

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
ChatGPT for creating example healthcare provider	I used ChatGPT to draft up the example healthcare providers which are used in my HealthProvider page
GetBootstrap	I enquired the website bootstrap to find out the appropriate bootstrap tags for my application https://getbootstrap.com/docs/5.3/components/buttons/#button-tags