1. Declaration

I, Christian Wiesanjaya, declare that this assignment, titled "34113495_FIT5032_A2_BasicWebApp", 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 unauthorised 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: **Christian Wiesanjaya** Date: **Sunday, 1 September 2024**

2. Github Check

Enter your Github details here.

Github Username *Enter your username here*	chriswiesanjaya
A2 Shared? *Have you started and shared your assignment repository with your tutor yet?*	*https://github.com/chriswiesanjaya/foodbankcharity*

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	✅			
BR (A.2): Responsiveness	✅			
BR (B.1): Validations	✅			
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 it's not private).

https://drive.google.com/file/d/1S6ywn76CPxXgBpKynS8HNyGc5c82JTej/view

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.

- **For Authenticated Users:** The navigation guard automatically redirects users who are already signed in away from the SignIn and SignUp pages to their Profile page. This prevents authenticated users from accessing the sign-in or sign-up screens. This is managed using **`beforeEach`**.
- **For Non-Authenticated Users:** Non-authenticated users are redirected from protected pages such as Profile, Events, About Us, and Contact Us to the SignIn page. This ensures that only authenticated users can view these sections. This is also managed using **`beforeEach`**.
- **Handle Undefined Routes:** A catch-all route is configured to redirect users who attempt to access undefined pages back to the homepage. This avoids landing on error pages or broken links.
- **Validations**: Check that all user input fields and choices are filled out correctly and follow the proper format. Make sure all entries are accurate and complete before accepting them.

6. Reflections: Challenges

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

- **LocalStorage**: Figuring out how to use localStorage to save data so it persists between sessions.
- **PrimeVue Date Picker**: Setting up the PrimeVue date picker and converting dates to the format DD/MM/YYYY from ISO.
- **Parsing and Stringifying JSON**: Handling JSON data by using **`parse`** and **`stringify`** to ensure accurate data transmission and integrity.
- **Role-Based Access**: Setting up different access levels for various user roles, ensuring they can see or use appropriate parts of the app while keeping the website's structure tidy and organised.

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
Example: ChatGPT for brainstorming ideas	*I used ChatGPT to brainstorm how to do X because I was feeling stuck with Y problem.*