

Group 29

Canteen Automation

IT314- Software Engineering

Non Functional Testing

1. Security Testing

Authentication and Authorization: We employ JWT authentication to control user access to all paths, ensuring that only authenticated users can view internal details by logging into the system.

Data Encryption: Passwords are encrypted using bcrypt with 10 salt rounds, enhancing security. As database administrators, we are unable to view users' passwords due to the encryption.

Session Management: Cookies are utilised for effective session management, allowing users to re-login within 24 hours of their initial login, even after closing the browser.

2. Usability Testing

Usability testing is a pivotal aspect of our automated canteen web app's development, emphasising how effortlessly users can navigate and interact with the system. Our goal is to ensure a seamless experience, and this extends to the simplicity of the user interface and design. The app is thoughtfully crafted with a user-centric approach, providing an easy-to-use platform that enhances user satisfaction.

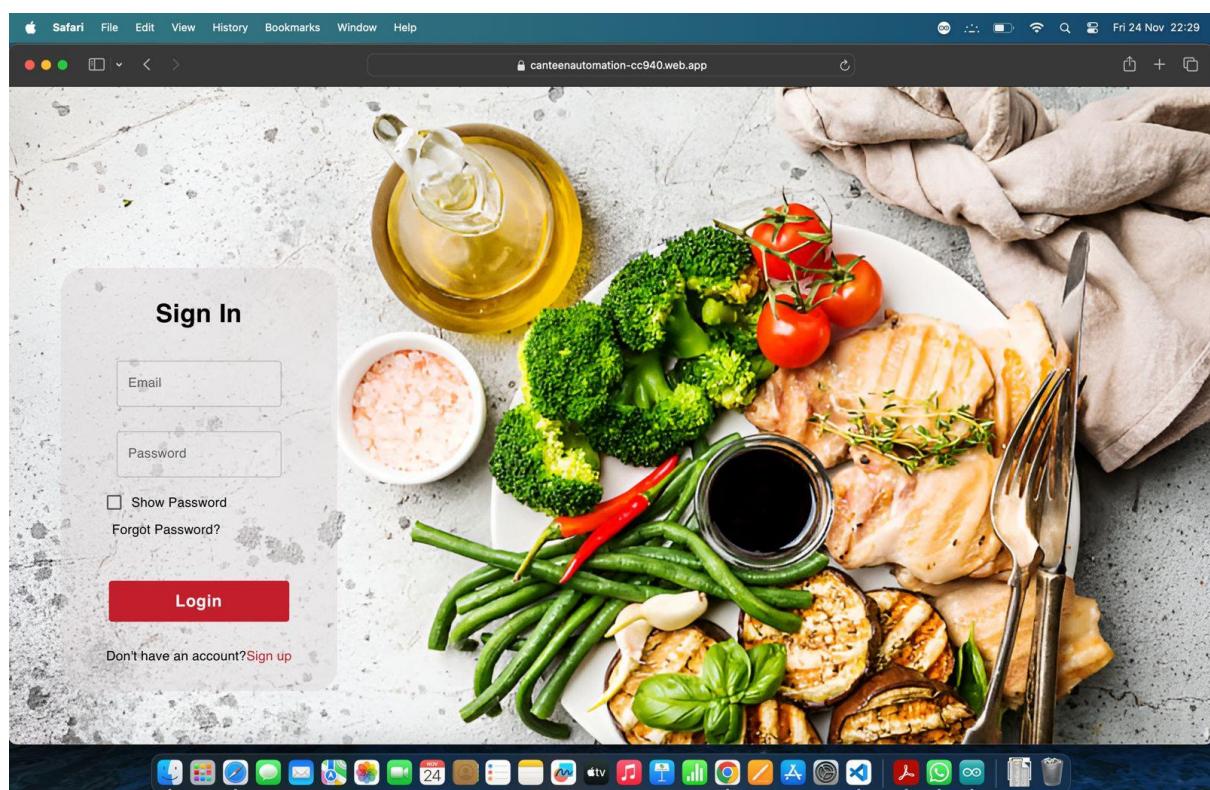
For an intuitive and straightforward user experience, we have incorporated a simple and user-friendly UI design. The cart functionality is deliberately kept uncomplicated, allowing users to effortlessly add and manage their selected items. The streamlined design promotes an efficient ordering process, ensuring that users can easily find, select, and place their orders without unnecessary complexities.

In our canteen system, users will find that the interface is designed to be both visually appealing and functionally straightforward. The cart feature, in particular, is optimised for simplicity, allowing users to effortlessly add, remove, or modify their selections. This user-friendly design extends to every aspect of the app, making it accessible and enjoyable for all users.

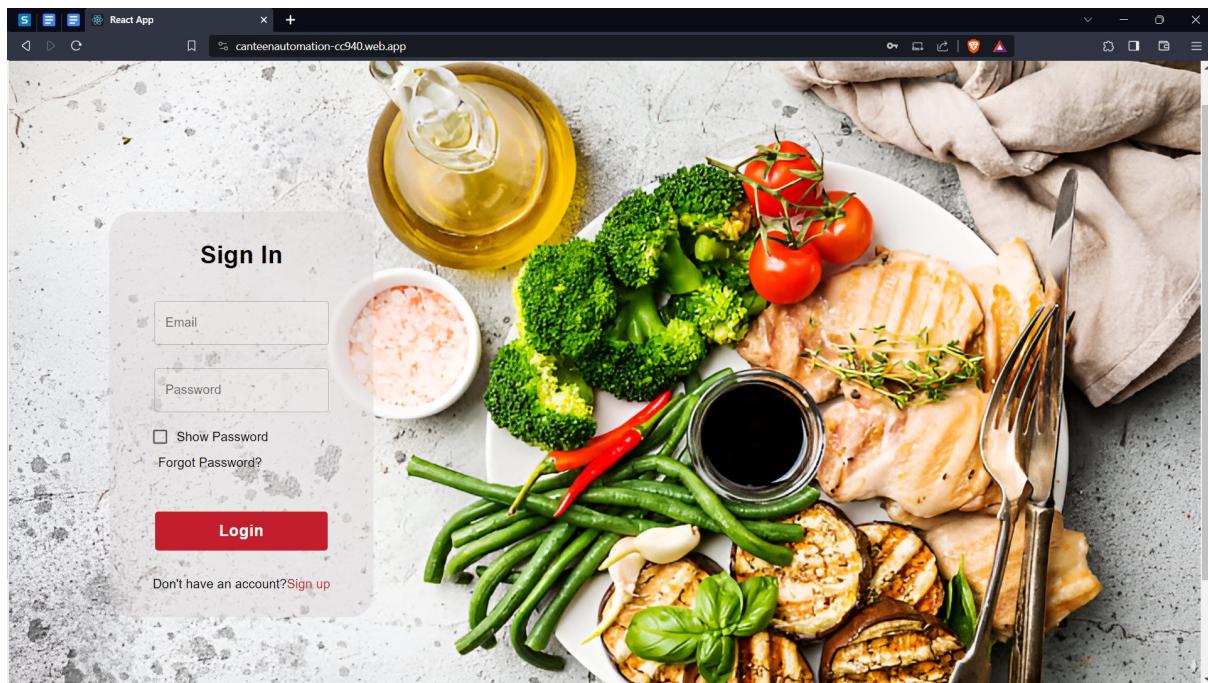
3. Compatibility Testing

We have taken measures to guarantee that the portal is compatible with the most recent web browsers, including Safari, Chrome, and Brave.

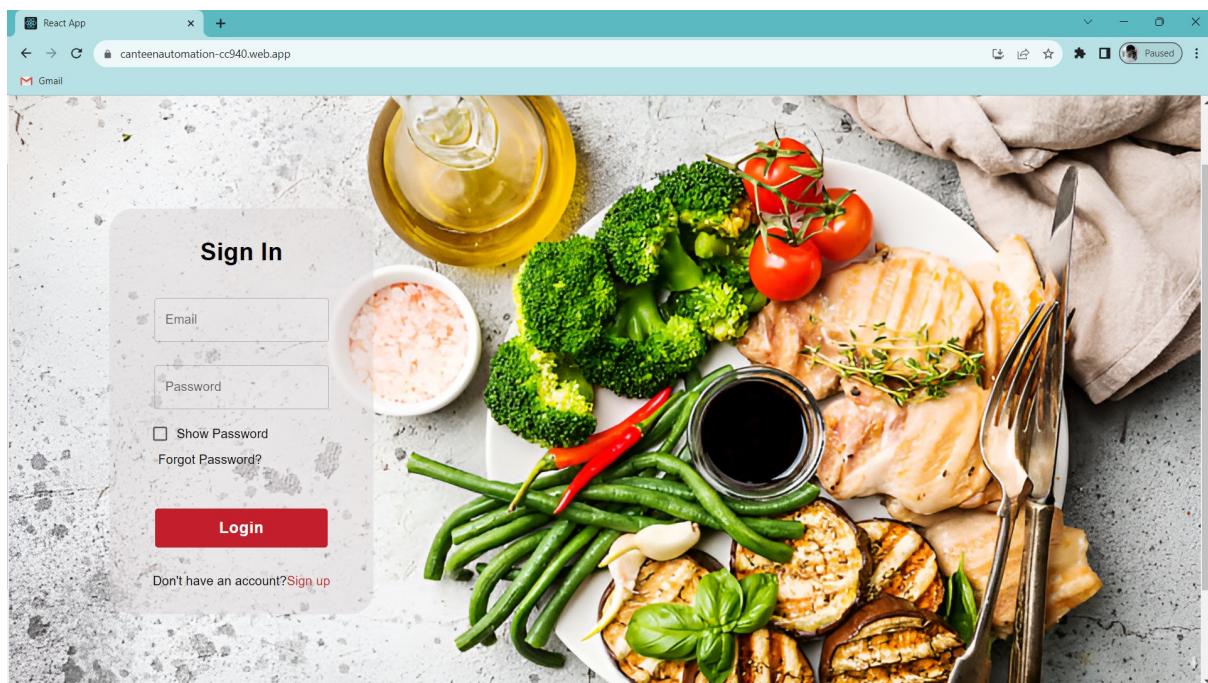
Safari :



Brave :



Chrome :



Microsoft Edge :

