Frontend Testing

In order to test all the functionalities of mobile application and ensure the quality of frontend design, we managed to set up unit test and integration test by utilising Jest. The unit test is tested on individual components or functions and the integration test will combine units together to ensure each component corporates well as expected. To conduct a comprehensive testing on UI development, we include two main aspects as part of our testing process: Rendering and Interaction.

Rendering:

The aim of rendering test is to make sure each component output is displayed correctly by React. In our case, we want to ensure every appointment detail or other information can be effectively retrieved from the backend and shown on the mobile application page. Hence, we implemented comprehensive testing on each screen and component to guarantee UI's correctness. Besides, we also tested on edge cases, like absence or invalid type of data to enhance robust error handling.

Interaction:

This part basically confirms that our UI components like buttons or links can respond to user interactions correctly, which includes functionalities like pressing buttons, linking with external apps or navigating on button press. For example, on the appointment detail screen, we validates the functionality to correctly add appointments to the user's calendar when relevant UI element is activated. This confirms that the modal works as intended for enhancing user engagement with the content.