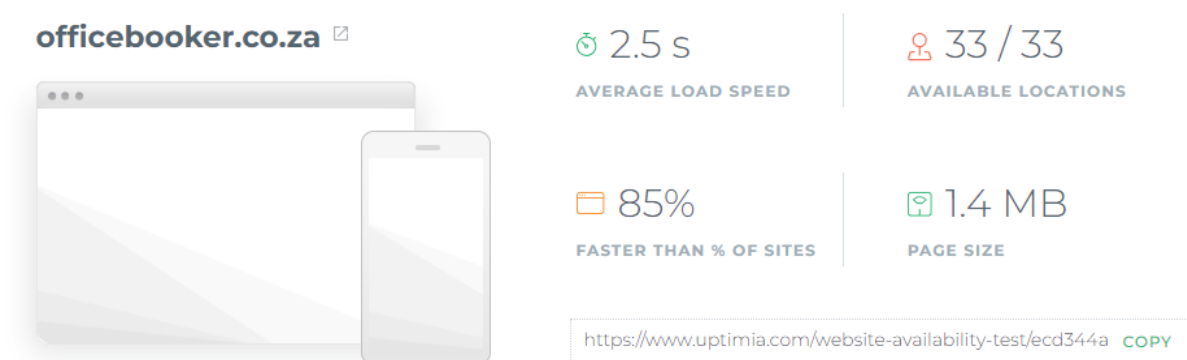


Quality Requirements Testing

Availability and Responsiveness

The Office Booking system must have an availability of 99% so that users may at almost anytime have the system ready in case of creating, deleting or checking a booking. Users should be given the opportunity to use the system whenever they wish to use it. The Office Booking system should also be responsive when making a booking to allow users to create or delete a booking whenever they please with no issues. The system must respond when a user is attempting to make a booking to prevent other users from making a booking over the current user's current booking.

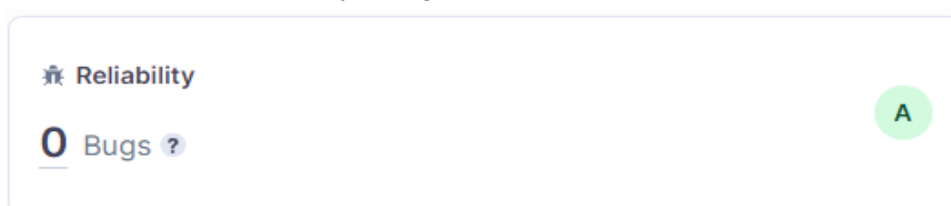
The Office Booker underwent tests to see the average load speed and the available locations it can be reached from to help test that it was meeting the requirements for availability and responsiveness.



Reliability

The system must be reliable for users. Whenever a user uses the Office Booker they should not be worried about bugs or other issues that could reduce the reliability of the Office Booker.

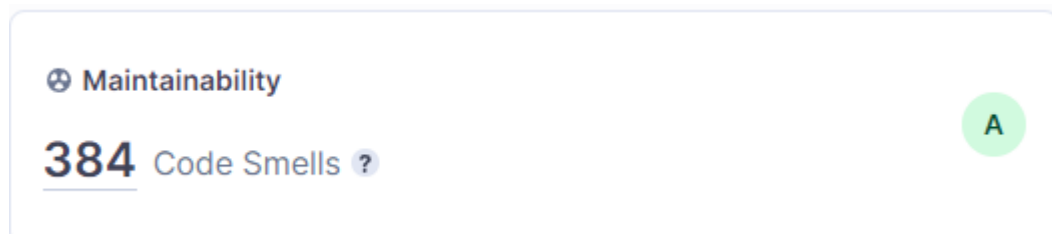
Using Sonar Cloud we were able to get a report everytime we coded on how many bugs we had as well as how many potential issues. This helped with defining and further improving the reliability of the system as we could check as we coded. Using this system we were able to achieve a code reliability rating of A.



Maintainability

Maintainability is a standard that must be kept for the office booking system. If a component or system fails it must then be fixed or reset to a set condition.

Maintainability was also tested using Sonar Cloud as it could help with assessing bad coding practices and overall poorer quality code. Using this we managed to reduce the poor quality code and got an A rating for the quality of code that is now being produced.



Usability

The Office Booker must apply usability. The user being able to use the system with all of its features will allow for a better user experience, therefore the system must be implemented with care that the user can make use of the system without restriction to how the core features can be used.

During our weekly sprints with the industry mentors, we received continuous feedback on the UI/UX of our design. This feedback allowed us to design our system to direct users in a certain direction when trying to understand the website.