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INTEGRITY TESTING REPORT

ABSTRACT

This document is to report on the results of the integrity testing of every iteration build of TA21's product, VicSafe.

TA21 Lightning Coders

Version 1.0

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Executive Summary

The purpose of this report is to provide documentation on the results of the integrity testing conducted on TA21's IE product, the **VicSafe** website. Key viewers of this report can include Monash University, and the Monash IE Team. The report will consist of the integrity testing method including the acceptance criteria the testing was conducted against, and the results of the integrity tests for Iteration 1, Iteration 2, and Iteration 3 builds of the website.

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Introduction

The purpose of this report is to provide documentation on the results of the integrity testing conducted on each build for Iteration 1, Iteration 2, and Iteration 3 of the **VicSafe** website. The testing was completed by TA21's Studio Mentors: Alice Wang and Lee Li. The integrity testing method is the acceptance criteria provided by TA21. By referring to the acceptance criteria while testing the features of the **VicSafe** website, the Studio Mentors can determine whether the criteria has been met or failed to meet.

1. Integrity Testing Method

1.1 Iteration 1

Acceptance Criteria 1.1.1

- Given the user is on the home page, when the user clicks the map button under the menu header, then the web redirects the user to the map page.
- Given the user is on the map page, when the user views the colour legend, then the user is able to identify which area on the map is safer to live in.
- Given the user is on the map page, when the user hovers their cursor on a specific area in Victoria, then the safety rating in the area will be displayed in a pop-up box over the map for the user.
- Given the user is on the map page, when the user clicks on a specific area in Victoria, then the safety rating in the area will be displayed in a box on the side of the map for the user.

Acceptance Criteria 1.2.1

- Given the user is on the home page, when the user clicks the map button under the menu header, then the web redirects the user to the map page.
- Given the user is on the map page, when the user input the postcode or name of a specific area in Victoria, then the safety rating and average renting price in the area will be displayed on the side of the map for the user.

Acceptance Criteria 1.3.1

- Given the user is on the home page, when the user clicks the map button under the menu header, then the web redirects the user to the map page.
- Given the user is on the map page, when the user hovers their cursor on a specific area in Victoria, then the average renting price in the area will be displayed in a pop-up box over the map for the user.
- Given the user is on the map page, when the user clicks on an area in Victoria, then the area's average renting price will be displayed in a box on the side of the map for the user.

Acceptance Criteria 2.1.1

- Given the user is on the home page, when the user clicks the search button under the menu header, then the web redirects the user to the map page.

- Given the user is on the search page, when users select “police stations” to refine the search results, then only the police station locations will be displayed on the map.
- Given the user is on the search page, when users select “community legal centres” to refine the search results, then only the community legal centre locations will be displayed on the map.
- Given the user is on the search page, when users input the postcode or the name at their location, then the police station and community legal aid centres nearby will be displayed on the map.

Acceptance Criteria 2.2.1

- Given the user is on the home page, when the user clicks the search button under the menu header, then the web redirects the user to the map page.
- Given the user is on the search page, when users select “community legal centres”/ “police stations” to refine the search results, then only the community legal centre locations will be displayed on the map.
- Given the user is on the search page, when users search for the area in the map by typing the postcode or the name of the area, then the community legal centres/police stations in a specific area will be displayed on the map.
- Given the user is on the search page, when users click the community legal centre/police stations they need, then the address and contact details will be displayed on the web page.

Acceptance Criteria 2.3.1

- Given the user is on the home page, when the user clicks the search button under the menu header, then the web redirects the user to the map page.
- Given the user is on the search page, when users type the postcode or the name of the area to search for the area in the map, then the police station and legal aid centres in a specific area will be displayed on the map.
- Given the user is on the search page, when users click the police station or legal aid centre they are interested in, then the community legal aid centre will be displayed on the web page with a short description of what legal work they specialise in.

Acceptance Criteria 3.1.1

- Given the user is on the home page, when the user clicks the student guide button under the menu header, then the web redirects the user to the international student guide page.
- Given the user is on the student guide page, when users click on the tip’s link, then it will open up a web page that provides more information on the tip.
- Given the user is on the student guide page, when the user clicks the “Go back” button, then the user will be redirected to the previous page of the website.

Acceptance Criteria 3.2.1

- Given the user is on the home page, when the user clicks the student guide button under menu header, then the web redirects the user to the international student guide page.

- Given the user is on the student guide page, when users click on the tip's link, then it will open up a web page that provides more information on the tip.

Acceptance Criteria 3.3.1

- Given the user is on the home page, when the user clicks the Safe Student guide button under menu header, then the web redirects the user to the international student tips page.
- Given the user is on the student guide page, when users click on the tip's link, then it will open up a web page that provides more information on the tip.
- Given the user is on the page that provides additional information on the tip, when the user sees a contact number for another service, then the user can choose to call them for more information.

1.2 Iteration 2

Acceptance Criteria 4.1.1

- Given the user is on the home page, when the user clicks the traffic safety button under the menu header, then the web redirects the user to the traffic safety page.
- Given the user is on the traffic safety page, when the user clicks on a link to Driving on the Road, then the user will be taken to a page that explains how the student should follow the traffic safety rules in Victoria.
- Given the user is on the Driving on the Road page, when the user clicks the "Go back" link, then the user will return to the previous page.

Acceptance Criteria 4.2.1

- Given the user is on the home page, when the user clicks the traffic safety button under the menu header, then the web redirects the user to the traffic safety page.
- Given the user is on the traffic safety page, when the user clicks on a link to Driving on the Road, then the user will be taken to a page that explains what risks can lead to traffic accidents on the road and how to prevent them from happening.
- Given the user is on the Driving on the Road page, when the user clicks the "Go back" link, then the user will return to the previous page.

Acceptance Criteria 4.3.1

- Given the user is on the home page, when the user clicks the traffic safety button under the menu header, then the web redirects the user to the traffic safety page.
- Given the user is on the traffic safety page, when the user clicks on the link Fatigue level page, then the user will be taken to a page with a quiz that measures the user's risk on the road based on their fatigue level.
- Given the user is on the Fatigue level page, when the user answers the series of questions in the quiz, then the results of how safe it is for them to drive will be displayed based on their fatigue level.

Acceptance Criteria 5.1.1

- Given the user is on the home page, when the user clicks the Communities button under the menu header, then the web redirects the user to the Communities page.

- Given the user is on the Communities page, when the user clicks on a specific local community, then the user will be taken to a specific ethnic community group's page.
- Given the user is on a specific local ethnic community group's page, when the user scrolls down the page, then the user will be able to read about how some of their origin country's laws are different when compared to Australian or Victorian law.
- Given the user is on a specific local ethnic community group's page, when the user clicks the "Go back" link, then the user will return to the previous page.

Acceptance Criteria 5.2.1

- Given the user is on the home page, when the user clicks the Communities button under the menu header, then the web redirects the user to the Communities page.
- Given the user is on the Communities page, when the user clicks on a specific local ethnic community, then the user will be taken to a page with a list of communities and their contact details which fall in that ethnicity.
- Given the user is on the page that lists a specific kind of community group, when the user clicks the "Go back" link, then the user will return to the previous page.

Acceptance Criteria 5.3.1

- Given the user is on the home page, when the user clicks the search button under the menu header, then the web redirects the user to the map page.
- Given the user is on the search page, when users select "community legal centres"/ "police stations" to refine the search results, then only the police stations/community legal centre locations will be displayed on the map.
- Given the user is on the search page, when the user selects the option to search for services by universities in the area, then the user can select the university of their choice from the selection of universities in the drop-down box.
- Given the user has selected the university of their choice from the drop-down box, when the user selects the university campus of their choice from the list of university campuses in the drop-down box, then the services nearby the selected university campus will display on the map.

1.3 Iteration 3

Acceptance Criteria 6.1.1

- Given the user is on the home page, when the user clicks the "Guide" button under the menu header, then the web redirects the user to the "Guide" page.
- Given the user is on the "Guide" page, when the user clicks the "Read more" link under the "Student Help Quiz" block, then the user is redirected to the "Student Help Quiz" page.
- Given the user is on the "Student Help Quiz" page, users can see a question and a selection of options to click below the question, when users answer the question by clicking on one of the options, then the system will record the answer of each question.
- Given the user is on the "Student Help Quiz" page, when the user answers the last question, then the user will be given the results.

Acceptance Criteria 6.2.1

- Given the user is on the home page, when the user clicks the "Guide" button under the menu header, then the web redirects the user to the "Guide" page.
- Given the user is on the "Guide" page, when the user clicks the "Read more" link under the "Student Help Quiz" block, then the user is redirected to the "Student Help Quiz" page.
- Given the user is on the "Student Help Quiz" page, users can see a question and a selection of options to click below the question, when users answer the question by clicking on one of the options, then the system will record the answer of each question.
- Given the user is on the "Student Help Quiz" page, when the user answers the last question, then the user will be given the results.
- Given the user is on the result page, when the user sees a link to the "Guide" page and clicks it, then it will take them to one of the links in the "Guide" page relevant to the quiz.

Acceptance Criteria 6.3.1

- Given the user is on the home page, when the user clicks the "Guide" button under the menu header, then the web redirects the user to the "Guide" page.
- Given the user is on the "Guide" page, when the user clicks the "Read more" link under the "Student Help Quiz" block, then the user is redirected to the "Student Help Quiz" page.
- Given the user is on the "Student Help Quiz" page, users can see a question and a selection of options to click below the question, when users answer the question by clicking on one of the options, then the system will record the answer of each question.
- Given the user is on the "Student Help Quiz" page, when the user answers the last question, then the user will be given the results.
- Given the user is on the "Student Help Quiz" page, when the user sees the results of the quiz and clicks on the link to retry the quiz, then the questionnaire page will refresh back to the beginning of the quiz.

Acceptance Criteria 7.1.1

- Given the user is on the homepage, when the user clicks the "Service" button on the menu header, then the user will be redirected to the "Services" page.
- Given the user is on the search page, when the user interacts with the slider provided on the map on the "Service" page and places a fixed radius around their current location on the map, then all the services located within the user's radius will be displayed on the map.
- Given the user is on the "Service" page, when the user clicks on one of the services marked within the user's radius, then the address and contact details and additional information will be displayed on the web page.

Acceptance Criteria 7.2.1

- Given the user is on the homepage, when the user clicks the "Service" button on the menu header, then the user will be redirected to the "Services" page.

- Given the user is on the search page, when the user interacts with the slider provided on the map on the “Service” page and places a fixed radius around their current location on the map, then all the services located within the user’s radius will be displayed on the map.
- Given the user is on the “Service” page, when the user clicks on one of the services marked within the user’s radius, then the address and contact details and additional information will be displayed on the web page.
- Given the user is on the “Service” page, when the user clicks on one of the services marked within the user’s radius, then a route between the user’s current location and the service’s location will be displayed on the map.

Acceptance Criteria 7.3.1

- Given the user is on the homepage, when the user clicks the “Service” button on the menu header, then the user will be redirected to the “Services” page.
- Given the user is on the search page, when the user interacts with the slider provided on the map on the “Service” page and places a fixed radius around their current location on the map, then all the services located within the user’s radius will be displayed on the map.
- Given the user is on the “Service” page, when the user clicks on one of the services marked within the user’s radius, then the address and contact details and additional information will be displayed on the web page.
- Given the user is on the “Service” page, when the user clicks on one of the services marked within the user’s radius, then a route between the user’s current location and the service’s location will be displayed on the map.
- Given the user is on the “Service” page, when the user clicks on one of the services marked within the user’s radius, then the estimated time it will take to follow the displayed route between the user’s current location and the service’s location will be shown on the map.

Acceptance Criteria 8.1.1

- Given the user is on the homepage, when the user clicks on the link to the Guide page on the menu bar, then the user will be redirected to the Guide page.
- Given the user is on the Guide page, when the user clicks on the link to the “Sexual Harassment” page, then the user will be redirected to the “Sexual Harassment” page.
- Given the user is on the “Sexual Harassment” page, when the user clicks on the “Go Back” button, then the user will be redirected back to the “Guide” page.

Acceptance Criteria 8.2.1

- Given the user is on the homepage, when the user clicks on the link to the “Guide” page on the menu bar, then the user will be redirected to the “Guide” page.
- Given the user is on the “Guide” page, when the user clicks on the link to the “Cybercrime” page, then the user will be redirected to the “Cybercrime” page.
- Given the user is on the “Cybercrime” page, when the user clicks on the “Go Back” button, then the user will be redirected back to the “Guide” page.

Acceptance Criteria 8.3.1

- Given the user is on the homepage, when the user clicks on the link to the “Guide” page on the menu bar, then the user will be redirected to the “Guide” page.
- Given the user is on the “Guide” page, when the user clicks on the link to the “Car Accidents” page, then the user will be redirected to the “Car Accidents” page.
- Given the user is on the “Car Accidents” page, when the user clicks on the “Go Back” button, then the user will be redirected back to the “Guide” page.

2. Integrity Testing Results

ACCEPTANCE CRITERIA	ACCEPTED/REJECTED
1.1.1	Accepted
1.2.1	Accepted
1.3.1	Accepted
2.1.1	Accepted
2.2.1	Accepted
2.3.1	Accepted
3.1.1	Accepted
3.2.1	Accepted
3.3.1	Accepted
4.1.1	Accepted
4.2.1	Accepted
4.3.1	Accepted
5.1.1	Accepted
5.2.1	Accepted
5.3.1	Accepted
6.1.1	Accepted
6.2.1	Accepted
6.3.1	Accepted
7.1.1	Accepted
7.2.1	Accepted
7.3.1	Accepted
8.1.1	Accepted
8.2.1	Accepted
8.3.1	Accepted

3. Conclusion

All acceptance criteria for each function added to their respective builds were determined “Accepted” by Studio Mentors: Alice Wang & Lee Li. Therefore, the integrity testing for each build can be considered successful.