



# Test Summary Report

Cave Country Canoes

Cheyenne Pierpont

Bailey Forbes

Brandon Maurer

# Test Summary Report

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### *1. Purpose*

This document explains the various activities performed as part of Testing of Riverway Cave Country Canoes application.

### *2. Application Overview*

Cave country canoe is a web based application where paddlers can send emergency messages to cave country with an estimated location. Cave country canoes can then send this information to the proper emergency officials to get help to the paddlers as quickly as possible. River way also includes a live chat feature where paddlers can talk to other paddlers while out on the water. Employees with a different account can see and access the EMS messages and the live chat. Also, paddlers can leave reviews on the app as well with what they think needs to be improved as what they like and disliked about the app.

### *3. Testing Scope*

Testing will be composed of standard testing and procedures, which will utilize mocking. It is important to note that the email bridge cannot be tested through mock accounts, as SMTP cannot deliver data to fake emails.

#### **a) In Scope**

- Functional Testing for the following modules are in the scope of Testing -
  - App functionality
    - Signing up for an account

- logging into the app.
- Sending messages in the live chat feature
- Leaving reviews on the app
- Can send messages back and forth as we are testing the messaging system. But this isn't out in the elements on canoes and kayaks as expected.

#### **b) Out of Scope**

- Performance Testing was not done for this application entirely. Because we were not able to have paddlers out on the water sending us Testing EMS messages back and forth between two devices.
- Live chat while being on different parts of the river and between two devices

#### **c) Items not tested**

- Emergency messages sent from one device to another while out on the river and in the elements.
- Live chat between two or more devices while out on the river and in the elements.

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#### **4. Metrics**

*<Metrics will help to understand the test execution results, status of test cases & defects etc.*

*Required Metrics can be added as necessary. Example: Defect Summary-Severity wise; Defect*

*Distribution-Function/Module wise; Defect Ageing etc.. Charts/Graphs can be attached for*

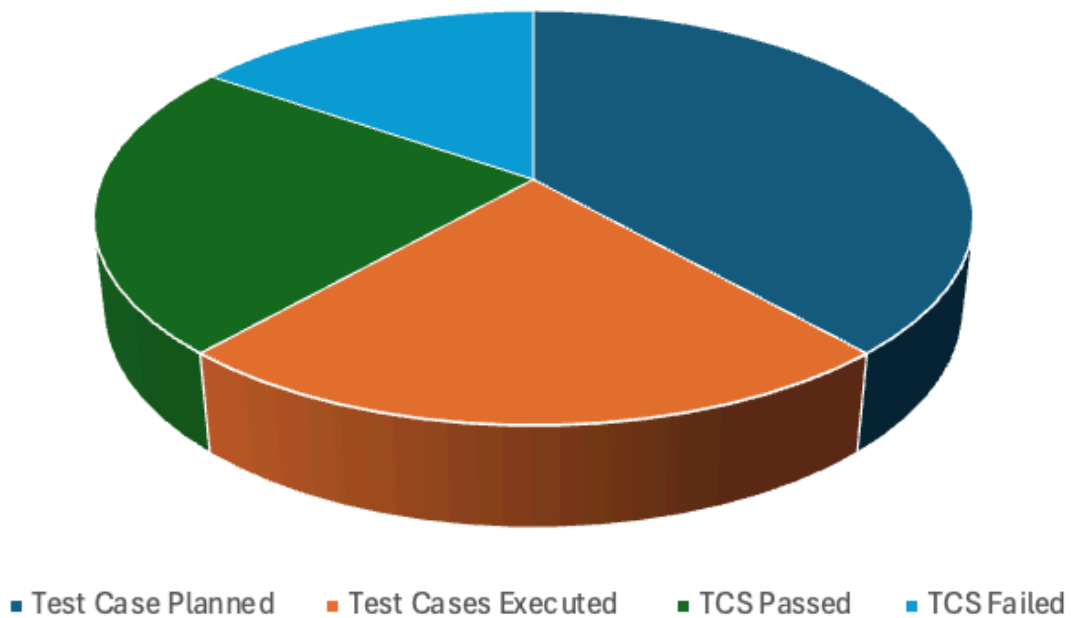
*better visual representation>*

d) No. of test cases planned vs executed

e) No. of test cases passed/failed

Test cases planned	Test cases executed	TCs Pass	Tcs Failed
5	3	3	2

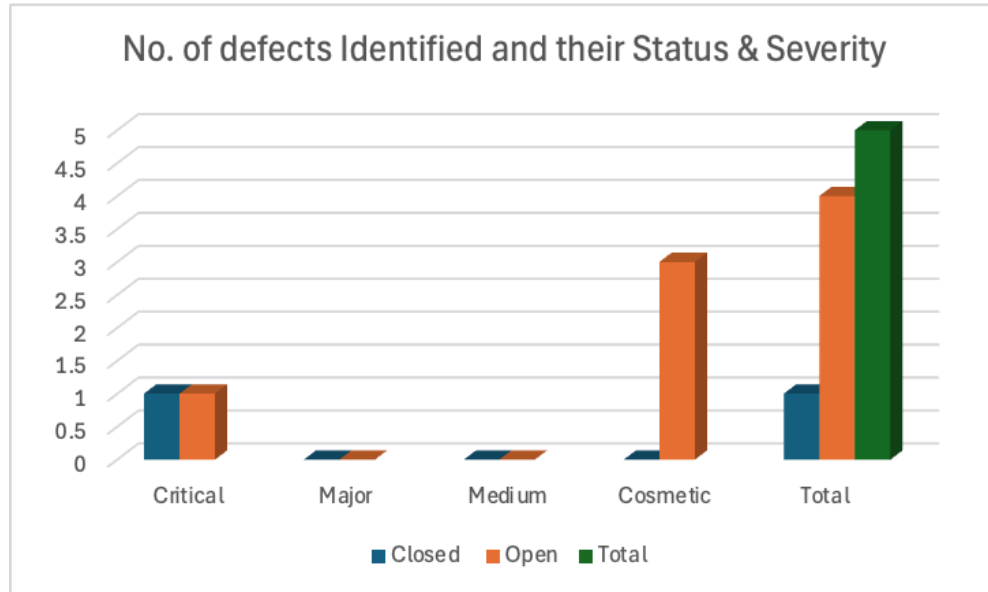
Test Cases P/F Planned/Executed



f) No of defects identified and their Status & Severity

	Critical	Major	Medium	Cosmetic	Total
Closed	1	0	0	0	1

<b>Open</b>	1	0	0	3	4
					5

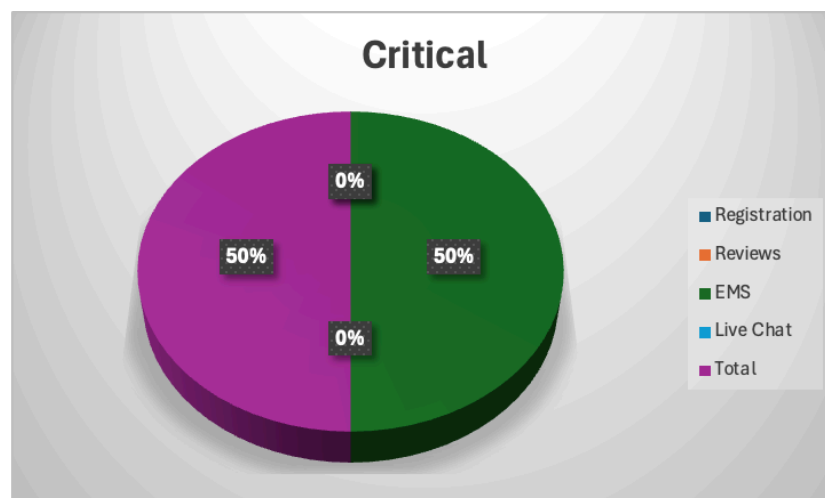


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#### g) Defects distribution – module wise

	Registration	Reviews	EMS	Live Chat	Total
<b>Critical</b>	0	0	1	0	<b>1</b>
<b>Major</b>	0	0	1	0	<b>1</b>
<b>Medium</b>	0	0	1	0	<b>1</b>
<b>Cosmetic</b>	1	0	0	0	<b>1</b>
<b>Total--&gt;</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>4</b>

**\*\*EMS issue was fixed and updated through github this is one issue that fits under all three categories**



## 5. Types of testing performed

### a) EMS Testing

- This testing was done when an EMS message is received (*deployed into the Test environment*) for testing to make sure the major functionalities are working well. With receiving an EMS message from the customer to the employee working that day on the app.

### b) System Integration Testing

- This is the Testing performed on the Application under test, to verify the entire application works as per the requirements. Day to day business scenarios were tested to make sure important functionalities in the application works as intended without any errors.
- Making an account, updating to an admin account, and registering an account.

### c) Review Testing

- Review testing was performed each time a new review is deployed for testing which contains reviews of the app. We noticed the reviews did not like duplicates and it was throwing a json error and it has been fixed now completely.



## 6. Test Environment & Tools

MySQL DB

<b>Application URL</b>	<a href="http://127.0.0.1:5000">http://127.0.0.1:5000</a> local <a href="http://192.168.1X:5000">http://192.168.1X:5000</a> global
<b>Apps Server</b>	127.0.0.1:5000 local 192.168.1X:5000 global
<b>Database</b>	MYSQL DB
<b>HP QC/ALM</b>	192.168.1X:5000

### 7. Lessons Learnt

S. No	Issues faced	Solutions
1	EMS test cases cannot be duplicated. This is by the same sender.	EMS cases were updated and fixed. It will now allow the sender to send the same message more than once.
2	Some testers could not test the system on their local network, leading to a lower experience when using the software. This left users to run the software on the localhost (127.0.0.1).	This only happens between devices when they have a separate database running. If we share out the one network link from a particular computer. Multiple people can access the website as long as they have an internet connection.

## 8. Recommendations

- Get the app to work correctly on a global network, not just a local host.
- Fix the duplicates on EMS messaging and reviews. Make it to where the customer can send multiple of the same messages to ccc. (This has been fixed).

## 9. Best Practices

- It is important to note that synthetic scenarios do not match the real world and never will equate to how this product will be used. We need to consider the different scenarios for what this software is to be used for.
  - **Example:** *The EMS messages will be sent on the river. There may not always be internet connection:*
    - EMS test cases were sent in a control wifi environment, there wasnt any other elements affecting the app that will come into effect when this app is used.
    - Business critical scenarios were tested on the entire application, which are vital to certify they work fine.

## 10. Exit Criteria

- a) All test cases should be executed – Yes
- b) All defects in Critical, Major, Medium severity should be verified and closed
  - No
- c) Any open defects in trivial severity:
  - Action plan prepared with expected dates of closure.

***Example:** No Severity1 defects should be 'OPEN'; Only 2 Severity2 defects should be 'OPEN'; Only 4 Severity3 defects should be 'OPEN'. Note: This may vary from project to project. The plan of Action for the Open defects should be mentioned with details on when & how they will be addressed and closed.>*

## 11. Conclusion/Sign Off

- As the Exit criteria were met and satisfied, as mentioned in Section 10, this application is suggested to 'Go Live' by the Testing team. Appropriate User/Business acceptance testing should be performed before 'Go Live'.
  - Electronically Signed off by Bailey Preston Forbes
  - Electronically Signed off by Cheyenne Pierpont
  - Electronically Signed off by Brandon Maurer

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