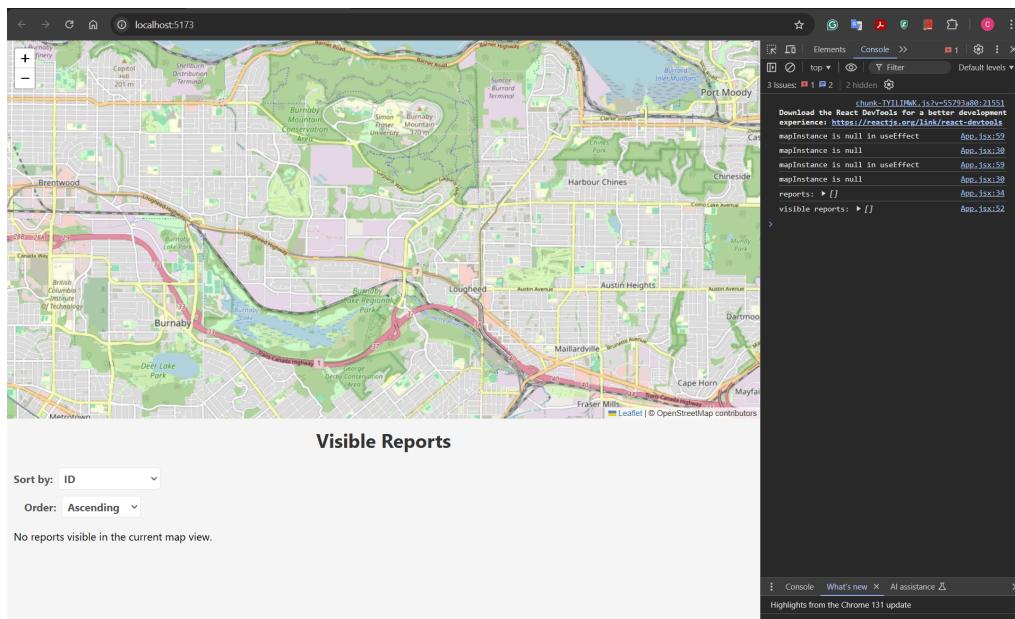


1. Normal Load

- **Outcome:**

The application loads successfully with the map displaying existing reports and the report list populated. No errors are observed in the console or UI.

- **Screenshot:**

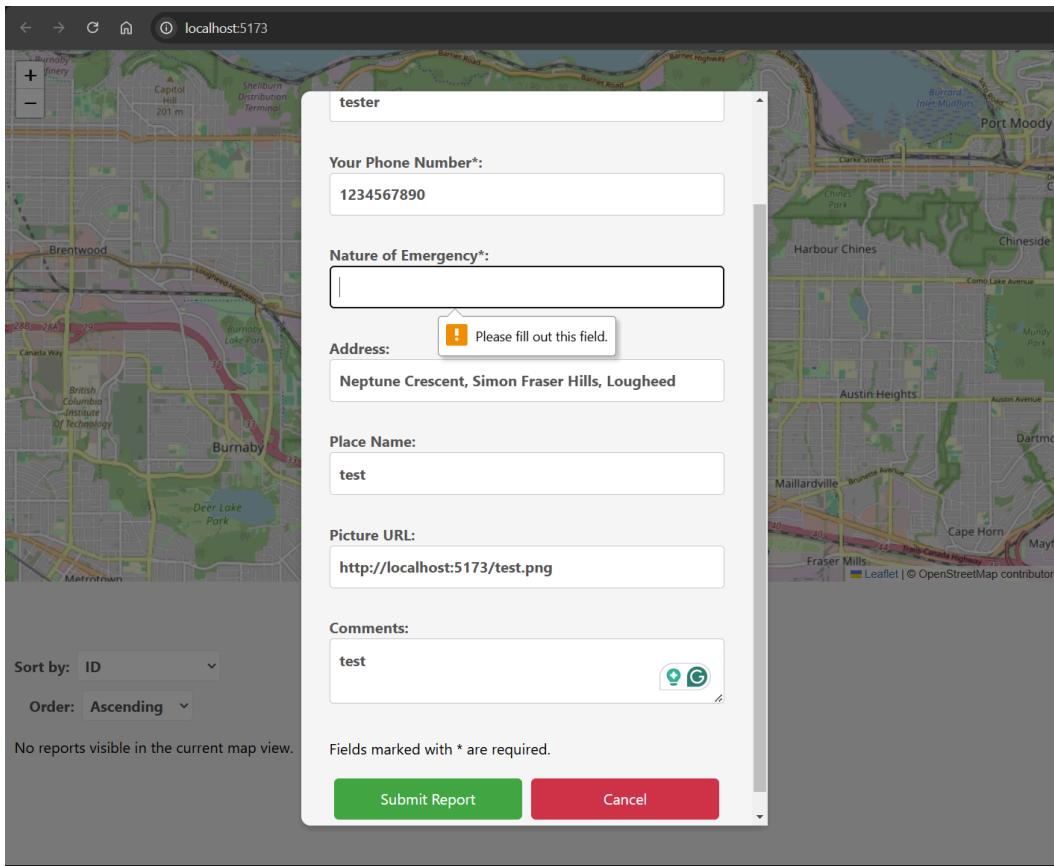


2. Form Validation (Required Fields and Submission)

- **Outcome:**

- Error messages are displayed for missing mandatory fields when trying to submit an incomplete form.
- A successful submission adds the report to the list and the map, with feedback confirming the action.

- **Screenshot:**



3. Creation of Report (With Auto-Filled Data)

Outcome:

The report is successfully created with the required fields, and auto-filled fields (date/time and status) are accurately populated. The report appears in both the list and the map. No errors are observed in the console or UI.

Screenshot:

ID	Emergency Type	Reporter	Address	Status	Actions
1	test	tester	Neptune Crescent, Simon Fraser Hills, Lougheed	OPEN	View Comments Resolve Modify

4. View Report by Clicking on List

- **Outcome:**

Clicking a report in the list displays its details and highlights the corresponding marker on the map. No errors are observed in the console or UI.

- **Screenshot:**

Report Details

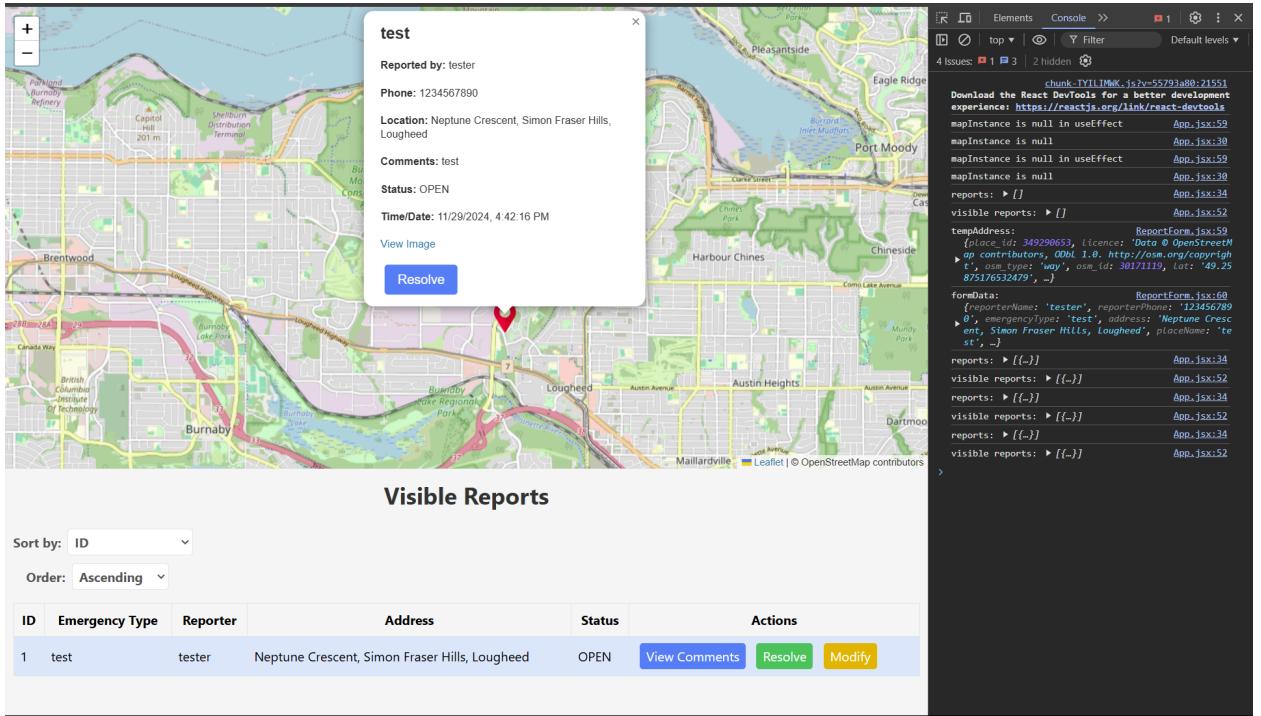
ID: 1
 Emergency Type: test
 Reporter Name: tester
 Reporter Phone: 1234567890
 Address: Neptune Crescent, Simon Fraser Hills, Lougheed
 Place Name: test
 Comments: test
 Timestamp: 11/29/2024, 4:42:16 PM
 Status: OPEN
 Image:

5. View Report by Clicking on Map Marker

- **Outcome:**

Clicking a map marker displays the report details and highlights the corresponding list item. No errors are observed in the console or UI.

- **Screenshot:**



6. Resolve Report

- **Outcome:**

The system prompts for a passcode to resolve the report. After entering the correct passcode, the report is removed from both the list and the map. No errors are observed in the console or UI.

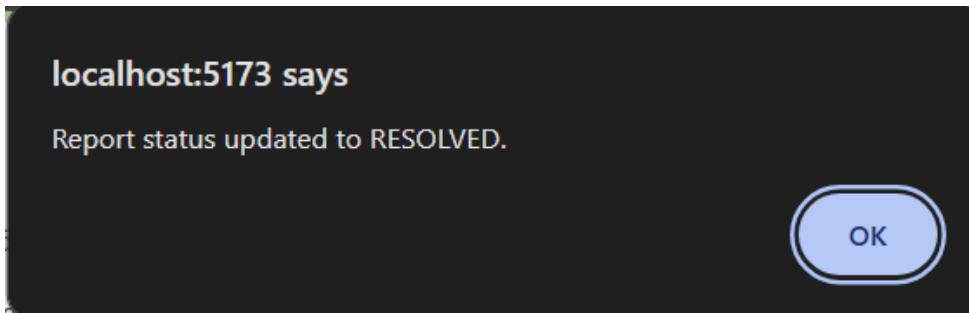
- **Screenshot:**

Report Details:

- Reported by:** tester
- Phone:** 12345
- Location:** Neptune Crescent, Simon Fraser Hills, Lougheed
- Comments:** to be resolved
- Status:** OPEN
- Time/Date:** 11/29/2024, 4:42:16 PM

Visible Reports

ID	Emergency Type	Reporter	Address	Status	Actions
1	test	tester	Neptune Crescent, Simon Fraser Hills, Lougheed	OPEN	View Comments Resolve Modify



7. Modify Report

- Outcome:**
 - The system allows editing of the report after entering the correct passcode. The changes are reflected in the list and on the map.
 - Reports can also be deleted with the correct passcode, and they are removed from the list and map.
 - No errors are observed in the console or UI.
- Screenshot:**

Modify Report

Emergency Type:
test

Reporter Name:
tester

Reporter Phone:
1234567890

Address:
Neptune Crescent, Simon Fraser Hills, Lougheed

Place Name:
test

Picture URL:
<http://localhost:5173/test.png>

Comments:
test

Save Changes **Delete Report** **Cancel**

8. Filtering via Report List Options

- Outcome:**
Filtering and sorting options update the report list accurately based on the selected criteria (e.g., by status, date, or type). No errors are observed in the console or UI.
- Screenshot:**

Visible Reports						
Sort by:		Reporter Name				
ID	Emergency Type	Reporter	Address	Status	Actions	
1	test	tester	Neptune Crescent, Simon Fraser Hills, Lougheed	RESOLVED	<button>View Comments</button>	<button>Modify</button>
			Rosser Avenue, Willingdon Heights, Brentwood	OPEN	<button>View Comments</button>	<button>Resolve</button>

9. Dynamic Filtering with Map Movement

Outcome:

The report list dynamically updates to reflect the reports visible in the current map region after zooming in or out. No errors are observed in the console or UI.

Screenshot:

Before:

The screenshot displays a map of Burnaby, British Columbia, with two reports listed in a table below it. The map shows major roads like Lougheed Highway, Burnaby Mountain Road, and the Trans-Canada Highway. It also highlights several parks and conservation areas. Two reports are visible in the table:

ID	Emergency Type	Reporter	Address	Status	Actions	
1	test	tester	Neptune Crescent, Simon Fraser Hills, Lougheed	RESOLVED	<button>View Comments</button>	<button>Modify</button>
2	test2	tester2	Rosser Avenue, Willingdon Heights, Brentwood	OPEN	<button>View Comments</button>	<button>Resolve</button>

The developer tools console shows logs related to the map instance and report visibility, indicating dynamic filtering is working correctly.

After:

Visible Reports

Sort by: ID

Order: Ascending

ID	Emergency Type	Reporter	Address	Status	Actions
1	test	tester	Neptune Crescent, Simon Fraser Hills, Lougheed	RESOLVED	View Comments Modify

10. Data Persistence (DOM Storage)

- **Outcome:**

After creating a new report, refreshing the page retains all existing data, including the new report, in both the list and map. Dom storage is functional.