

Working Prototype Known Problems Report

Lost And Found

Team Rocket

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1. **We can zoom in to location in the map that's outside of campus**
 - a. **Cause of failure:**
 - i. Google maps API centers on campus but doesn't remove outer bounds
 - b. **Location of fault:** home/GMap.vue
 - c. **Possible action for removal of fault:**
 - i. trigger the checkBoundaries function at GMap.vue after zooming, which essentially checks the center position of the map, and redirects the user back to the campus if the new user location isn't valid.
2. **Able to pin markers at location outside of campus.**
 - a. **Cause of failure:**
 - i. We were able to constrict the Map panning to be within the campus. However, since we were still able to view outside boundaries, we can still select locations there and submit.
 - b. **Location of fault:** home/GMap.vue
 - c. **Possible action for removal of fault:**
 - i. When we select a location, we need to validate whether it's outside of boundaries or not. If so, then alert the user, else, proceed the submission process as usual.
3. **SideNav history entry does not redirect outside of the map page.**
 - a. **Cause of failure:**
 - i. Not implemented for outside of map use
 - b. **Location of fault:** layout/SideNav.vue
 - c. **Possible action for removal of fault:**
 - i. Implement redirect from outside map page
4. **Map boundaries does not allow user to view base of campus (after the Village) even when zoomed in.**
 - a. **Cause of failure:**
 - i. The map boundaries allow the user to pan across Google maps. However, bounds were not implemented accurately and when user attempts to pan to base of campus, boundary checks forces user back within the boundaries.

- b. Location of fault:**
 - i. Gmap.vue
 - c. Possible action for removal of fault:**
 - i. Edit latitude/longitude to allow boundary to reach base of campus.
- 5. User can escape bounds of map by zooming in to the bottom right hand corner, and zooming out of the corner repeatedly.**
 - a. Cause of failure:**
 - i. The map boundaries have a small loophole where user may exit bounds by the following action above.
 - b. Location of fault:** Gmap.vue
 - c. Possible action for removal of fault:**
 - i. We are unsure how to fix this issue as of yet and more research needs to be done.
- 6. Tab slider (in Lost submission form) does not appear when you click a tab.**
 - a. Cause of failure:**
 - i. When opening submission form, Found form contains tab slider but lost form does not. Possibly not implemented correctly.
 - b. Location of Fault:** form.vue
 - c. Possible Action for removal of fault:**
 - i. Check implementation for both tab sliders and ensure both implementations are correct. Make revisions and changes if necessary.
- 7. Picture field do not clear after user clicks “Submit” button.**
 - a. Cause of failure:**
 - i. When the user clicks the “Submit” button on the submission form, the uploaded picture field do not clear. Implementation to clear the fields are missing.
 - b. Location of Fault:** SubmissionForm/form.vue
 - c. Possible action for removal of fault:**
 - i. Implementation needed to clear text fields after “submit” button has been clicked.
- 8. Clicking Google map labels show label popups and submission form at the same time.**
 - a. Cause of failure:**
 - i. Not necessarily a cause of failure, but when the user clicks any google map labels, the label and submission form pops up at the same time.
 - b. Location of Fault:** home/Gmap.vue

c. Possible action for removal of fault:

- i. Implement a function to disable google map label popups.

9. Red pin stays on map where user clicked after closing the submission form (without submitting).

a. Cause of failure:

- i. When user clicks anywhere on the map and the submission form pops up, then closes the submission form without filling out the form or submitting, the red pin stays on the map. Implementation to remove the pin is not in code.

b. Location of fault: home/GMap.vue

c. Possible action for removal of fault:

- i. Implement changes to function to remove pin if user exits submission form without filling it out.

10. Web app is not tested/optimized for other browsers and platforms, etc. For example, hide button does not work in chrome in laptop view, but works for Firefox.

a. Cause of failure:

- i. Implementation for web app was not optimized for other platforms as it was solely focused on web page development.

b. Location of fault: Code styling isn't viable for some browsers.

c. Possible action for removal of fault:

- i. Future implementation with scalability designed for other platforms in the near future.

11. Info window keeps reopening when accessed through Display->Location.

a. Cause of failure:

- i. When user stays on the redirected map page (Display->Location->map view), info window keeps reopening. Could be something in the life-cycle hook function implementation that may have created this bug.

b. Location of fault: Gmap.vue

c. Possible action for removal of fault:

- i. Editing implementation to close info window to prevent reopening in the life-cycle hook function.

12. Adding and removing lost and found markers causes all lost and found markers to initiate re-drop animation (where all markers drop onto the map) instead of just the newly added one.

a. Cause of failure:

- i. When the user adds a marker to the map, all markers drop onto the map as well as the added one. The re-drop function may have been called after every lost and found submission, causing this loop to constantly repeat. Every time user state changes the redrop animation occurs.
 - b. Location of fault:** Gmap.vue
 - c. Possible action for removal of fault:**
 - i. Edit implementation so function that re-drops all markers is not called every time user makes a new marker submission. Add an if statement inside the animation loop.
- 13. Submission Form size changes as image is loaded into the database.**
 - a. Cause of failure:**
 - i. When the user clicks the image url tab, the form size gets bigger. Issue with implementation in the form function. We do not have any attributes that have the height and width of the image preview.
 - b. Location of fault:** form.vue
 - c. Possible action for removal of fault:**
 - i. Add implementation to allow for scalability for images.
- 14. Navigating to a marker from the display page does not always center the item in the map.**
 - a. Cause of failure:**
 - i. When the user navigates to the submitted marker through the sidebar, the item is displayed and centered in the map. However, the same action to center the marker is not shown the same way when accessed from the list view. Improper implementation for the centering of the marker may be the cause of failure.
 - b. Location of fault:** Gmap.vue in getMarkerDetails function
 - c. Possible action for removal of fault:**
 - i. Edit implementation for this function to allow centering of marker.
- 15. Marker checkboxes are still visible on display page. When user is currently on the display page, clicking the “Display” button will show the drop down menu where the “lost” and “found” marker checkboxes are still visible.**
 - a. Cause of failure:**
 - i. Checkboxes for toggling between lost markers and found markers does not have any code for checking whether the user is currently on the map page.
 - b. Location of fault:** layout/DisplayButton.vue
 - c. Possible action for removal of fault:** Make the checkboxes not visible when the user is not on the Home/map page.

16. Item type field on submission form only says “item*”.

- a. Cause of failure:**
 - i. Implementation in submission form fills empty field with “item*”. As it is, it is unclear to the user what should be entered.
- b. Location of fault:** form.vue
- c. Possible action for removal of fault:**
 - i. Change implementation from “item*” to “Item Type”.

17. InfoWindow text truncation cuts part of text.

- a. Cause of failure:**
 - i. Implementation for item view shows the item in an info window. However, info window text truncation needs to be fixed as it does not display the description properly. Issue in implementation may lie in the truncate filter function.
- b. Location of fault:** truncate function in filters.
- c. Possible action for removal of fault:**
 - i. Change implementation to in function to fix text truncation.

18. When user uploads an image, thumbnail shown in list results is too large.

- a. Cause of failure:**
 - i. Implementation in pulling images from the database are not resized properly when the image has been uploaded by the user instead of by url.
- b. Location of fault:** Database folder in file list.vue
- c. Possible action for removal of fault:**
 - i. Editing the implementation to allow cards to resize to the image size instead of being autofilled to card size.

19. When user is choosing time in submission form, the display shows “7:09” as “7:9”.

- a. Cause of failure:**
 - i. Implementation in submission form on the function on time may be the cause of this issue as the time is displayed incorrectly.
- b. Location of fault:** form.vue
- c. Possible action for removal of fault:**
 - i. Edit implementation in function for time to fix time display to its proper format.

Our code and state variables are not completely refactored and it is an issue we recognize in our project.

