

## **Working Prototype Known Problems Report**

**Product:** NoteQuest

**Team:** Project NOTE

**Release Date:** 7/19

**Revision Date:** 7/14/20

List all problems with your software that your team has identified. Include in the item entry the input/action that causes failure; location of fault (if known); possible action for removal of fault.

### **List of functions not working correctly:**

- React (client side) does not handle certain error codes correctly
  - If server isn't running, there will be an infinite loop loading certain pages such as signup, upload notes page and notes browser page
- Ratings will send a 304 (no modification), if the user updates a rating and then removes the rating -- this is fine, but should technically be caught
  - Issue: no modification with ratings will return a 304
  - Solution: save a reference to the state prior and check if we are sending a newer state (aka the button number difference changed)
- Navbar on occasion requires multiple clicks to change pages
  - Minor issue, not sure how to get that fixed but before putting app up, we'll get down into that issue since it can be annoying
- If a user enters the wrong email and then types in valid email without verification done, they'll still see the warning text saying email or password is wrong. The fix for this is setting the state
  - Issue: State handling in react
  - Solution: fixing our state handling to properly handle errors in react (by adding a couple catch statements)
- UI isn't mobile friendly (at best works on ipad pro using display tester in edge/chrome)
  - Issue: Doesn't format properly on mobile devices
  - Solution: Implement a react native display option; or format the website to work with mobile applications
- If not verified and you relaunch the app, app might log you in but you won't be able to access notes/create notes page
  - Issue: login issue
  - Solution: probably something to do with the firebase authentication on the front end implementation
- Discovered a memory leak issue when spamming the like button and changing states in the note browser
  - Issue: It seems like a thread working in an old state gets the request too slow and attempts to change a state that no longer exists
  - Solution: Added abort cleanup function in useEffect hook, not sure if that solves the problem or the issue is what I think it is but in testing everything seems good when spamming and changing states

- If the user enters only special characters (non-alphanumeric characters) for the class number or professor name, we will have an error
  - Issue: can't handle only special characters
  - Solution: reject the request if that occurs or check the length to make sure it is greater than zero
- When we refresh the page, the page will reset to dark theme even if you set the client to white theme
  - Issue: refreshing the page manually will change the page back to dark theme
  - Solution: changing the locality
- When uploading a new notes entry to the database, the user's name (as entered on account creation) is inserted rather than their email address.
  - Issue: Email addresses/accounts are not referenceable from names, and duplicate names are allowed, so someone could enter false information and maliciously upload under a false name.
  - Solution: Store user's email address instead.
- If the folder.json file is truncated, we will create a new folder in drive making potentially two class folders of the same name
  - Issue: drive sync issues with folder.json
  - Solution: have all the contents in folder.json stored in firebase instead
- If the upload notes form is filled completely, but no file is provided, the form will clear if you attempt to post the notes.
  - Issue: state management issue
  - Solution: keep the state of a partially filled out form\
- Sign Up with exis