Working Prototype Known Problems Report

Product: First Ascent
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List of functions not working correctly/not as expected
1) Unable to get specific user information based on user session
- With our implementation for example we **cannot get the username** of the logged in user
- This prevents us from **automatically filling in the climber's name** into the 'new climb' form and comment section
- Also prevents us from **limiting users from rating** a climb's star rating and community difficulty more than once. Each rating is its own instance and can be done as many times as the user wants.
- Also prevents us from **saving climbs to a user's account** (and displaying their climbs on their account page) because we are unable to verify which climbing post belongs to who

- **Cause of failure/location**
    - **Lack of developer knowledge**. Unable to get user's context from AuthUserContext.js in the same way the Account.js does. Don't know enough about the specifics of javascript and html to make a work-around
- **Possible solutions**
    - Spend more time **researching** html and javascript to find a different working syntax that works with the current method of tracking user sessions.
    - Use an **entirely different method** of tracking user sessions that makes it easier to get the user context.

2) The draw line feature doesn't work as smoothly as we would wish
- The canvas requires **two 'load image' clicks** to load the background and foreground image to display
- The drawing feature requires **multiple click and drag** operations to draw the full route
- Unable to allow other users to **draw new routes** on an existing climb page

- **Cause of failure/location**
    - **Lack of developer knowledge**. We tried our best to implement this feature based off of tutorials on the web. Our implementation of drawline.js was incomplete.
- **Possible solutions**
    - Spend more time **researching** multiple tutorials that can build our

complete desired feature.

3) Unable to get some of our planned features into the app at all
- Features include: account page showing user's **climbing history**, the ability to **search** of climbs based off of some given information, …

- **Cause of failure/location**
    - In Home.js and Account.js, **does not contain components/code** to implement our desired features.
- **Possible solutions**
    - Spend more time **researching** html and javascript to find a different
    - working syntax that works with the current method of tracking user sessions.
    - **Research** could also be used to figure out how to implement searching
    - Use an **entirely different method** of tracking user sessions that makes it easier to get the user context to identify precisely which climbs belong to which user.
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4) List of features that are slightly different from what we wanted
- List of climbs is a single column and oldest post are at the top
- No pagination of climbs at all

- **Cause of failure/location**
    - Home.js mounts climbing posts in **the order they are submitted** to firebase.
- **Possible solutions**
    - Spend more time looking at **firebase documentation** to modify the order.
    - Also, look at **more react tutorials** to paginate the list of climbs

5) Bug with GoogleMaps when reloading the New Climb page
- Refreshing the New Climb page tends to make the GoogleMaps feature on the page crash
- Could not find the source of the problem as it seemed to only happen randomly