

# Working Prototype Known Problems Report

Product: First Ascent

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Date: December 2, 2018

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