

Release Summary: CacheMe

Team: CacheMe Team

Jun 15, 2023

Key User Stories and Acceptance Criteria

- I. As a developer I need access to the database so that I can work with necessary data in building the app.
 - A. Making sure the database can be accessed by developers and updates correctly. Structure of the data should be consistent.
- II. As a user, I want to be able to interact with the app so that I can click through the UI.
 - A. UI renders and has clickable buttons for the different pages. This should result in a skeleton structure for navigating the app.
- III. As a user, I want to be able to log in so that I can access data tied to my account.
 - A. Login page takes in user input and updates it in the database. It asks the user for their login information or the user to create an account with their name, email, and password.
- IV. As a user I want a page with the static feed so I can see “static” caches other people “posted”.
 - A. You can scroll through a feed of real posts and see the users who created them, how many likes and comments they have, and how far away they are from the current user.
- V. As a user I want a page with the map so that I can see it.
 - A. Users can go to the map page and see their surrounding area.
- VI. As a user I want a form so that I can create a post that can be seen on the feed.
 - A. Users can create a post which properly gets updated into the firebase and shows on the feed immediately. Users can add a picture and/or text.
- VII. As a user I want to have a username so that I am identifiable.
 - A. Users can make a username on profile creation. Users have a username that displays on their posts, profile, and comments.
- VIII. As a user I want to see posts as markers on the map and be able to click on them to view the post so that I can determine if I want to view or unlock it.
 - A. Having clickable markers on the map that lead you to viewing the post. On the feed and the view post page, if the post is further away from the current user than the set discovery radius, then the post contents should be blurred.
- IX. As a user, I want to be able to comment on posts to interact with other users
 - A. There should be an input field for users to submit comments. Submitted comments should be stored into firebase and rendered on the view post page immediately. The number of comments should be incremented and updated on the post page, feed, and firebase.
- X. As a user, I want to be able to like posts to interact with other users.
 - A. Have a clickable like button that will update the like count on firebase and display on the post. If a user revisits the same post, it should show that if it has been liked.

- XI. As a user, I want to be able to see mine and other profiles so that I can check people's profiles.
 - A. Be able to click on a username and see that user's data such as their profile picture, name, username, number of friends, number of posts, a button to add them, and their posts.
- XII. As a user, I want to be able to make friends so that I can see their posts.
 - A. Be able to view someone else's profile and choose to add them as a friend with a button. Once they are added as a friend, their posts should show up in the feed of friends' posts.

See more about the acceptance criteria in the [Test Plan and Report](#) document.

Known Problems:

1. Occasionally when clicking on a user's post will throw a warning unhandled promise.
2. If you are viewing a single post, the UI will automatically say that you have liked the post, whether you did or didn't.
3. If you are viewing a single post with text that is longer than what window height, you will not be able to see the comments or scroll down to see whatever is missing.
4. The dropdown menus on the Create Cache page doesn't change anything and haven't been implemented. Instead, the posts are currently always public and have a discovery radius of 5 km.
5. Rendering of posts is not optimal.
6. We don't know if the login state is saved.
7. If you hit a back button, the app doesn't save where you were on the map/feed. It just goes to the start of the feed.
8. We could not replicate the user moving closer to a cache to see if it gets unblurred live.
9. Omitted notification system.

Product Backlog

- 1) Allowing the User to log in with Google
- 2) Creating a light mode vs Dark mode
- 3) Only loading posts within a certain distance of the user
- 4) User notifications
- 5) Replying to comments.
- 6) Creating a feed of only "friend's posts"

Definition of Done:

At our scrum meetings, we review features that a developer says they've completed with a demo. If it meets the acceptance criteria and everyone agrees on its quality and functionality, we ask the developer to make a pull request for the branch they worked on and merge it into the main branch.