FitQuest

Iteration 3 - Review & Retrospect

 * When: 7/21/2024
 * Where: Online

Process - Reflection

Overall, Sprint 3 was a better sprint in terms of productivity as we were able to complete functionality for both the quests to be verified page and the friends list. All team members contributed in both the front-end and back-end, which helped familiarise us with the complexities of our application further.

Decisions that turned out well

List process-related (i.e. team organization) decisions that, in retrospect, turned out to be successful.

- Working on Less Tickets During This Sprint

    Last sprint, we noticed that we worked with roughly 20 tickets, which caused some tickets to be deferred to this sprint. As a group, our new approach was to stick to only two main features (friend list and quests to be verified page) and only allot those tickets in our backlog. Now that we're at the end of the sprint, our sprint velocity and sprint completion percentage have increased dramatically due to us having more time to focus on each individual ticket.

- Having Team Members Work on Both Front-end and Back-end

    We believe that having all of us gain work on both front and back end tickets was a great decision for this sprint. In particular, working on parts of our application that we did not have prior experience working with allowed us to further understand how our application integrates information from our database to our React application. Furthermore, this newfound knowledge could help us in our last sprint as there will be heavy front-end and back-end work required.

Decisions that did not turn out as well as we hoped

- How We Organized ComponentButton

    Just for context, ComponentButton is one of React components we use in our application, represented by a button that expands when clicked on. This ComponentButton is usually shown as an element of a list (i.e., in Ongoing Quest List, each element is a ComponentButton). We found that over time, the code within this React component changes dramatically, causing some confusion whenever a team member implements the ComponentButton within one of the application's

pages. We're planning to discuss a more suitable software design approach to ensure code clarity and improve organization.

- Leaving All Tickets Until The 2nd Half of Sprint

  For this sprint, although we were able to complete the majority of our tickets, we thought it would be better to spread out our ticket completions throughout the entire sprint, rather than through one week. Having a lot of our tickets completed in three days required us to coordinate ticket dependencies and merge PRs within tight time constraints, which will be difficult to manage in our last sprint as we will need to implement a lot more complicated features within our application.

Planned changes

List any process-related changes you are planning to make (if there are any)

- Start Tickets Earlier

As mentioned above, since we need to get prepared for our class demo, starting tickets earlier would allow us to possibly add a couple of key features before our presentation and can allow us to take time and ask for help if needed

Product - Review

Goals and/or tasks that were met/completed:

- Friends List
    - Add Friend Functionality (https://fitcode.atlassian.net/browse/FIT-68)
    - Display Friend List Page (https://fitcode.atlassian.net/browse/FIT-69)
    - Remove Friend Functionality (https://fitcode.atlassian.net/browse/FIT-75)
- Quests To Be Verified Page
    - Front-End (https://fitcode.atlassian.net/browse/FIT-76 and https://fitcode.atlassian.net/browse/FIT-72)
    - Back-End To Change Quest Status (https://fitcode.atlassian.net/browse/FIT-73)
    - Retrieving All Quests to Be Verified (https://fitcode.atlassian.net/browse/FIT-74)
- Quest Capacity
    - Max Number of Quest Challenges (https://fitcode.atlassian.net/browse/FIT-13)
    - Max Number of Quests a User Can Take (https://fitcode.atlassian.net/browse/FIT-5)
- Connect User Profile (https://fitcode.atlassian.net/browse/FIT-70)

Goals and/or tasks that were planned but not met/completed:

The only main task that we were not able to start this sprint was completing the quest proof page. This was due to use completing the quests to be verified page, which was a dependency of the JIRA ticket below.

- Complete Quest Proof Page (https://fitcode.atlassian.net/browse/FIT-71)

Meeting Highlights

Going into the next iteration, our main insights are:

- Finish Quest Proof Page
- Finish Finalising UI of User Profile
- Touch Up UI Around Our App
- Get Prepared for Our Class Demo