017-04
Project Milestone #5
4/10/2022

Features To Test

- Login to website
    - We will test to make sure that a user with a previously created account can log-in, and that their session persists (i.e. keeps them logged in) until they close out of the website.
    - Test Cases
        - On entering valid credentials (either username and password or email and password), the user should be redirected to the home page.
        - If a user enters invalid credentials, reload the log-in page with an error message
        - Upon logging in, a cookie is properly created and read by website to make sure the user stays logged in and the navbar is correct for a logged in user sitewide
        - On clicking the "Logout" button while logged in, the cookie for the user session should be deleted and the navbar should display the correct options for a logged-out user.
- Register for an account
    - We will test to make sure that it will not continue without all fields being filled out, and that an email address is there, and that an adequate password is present. We will make sure that an account was not created when these fields are not filled out correctly!
    - Test Cases:
        - Make sure email address is present
        - Try to submit account with an inadequate password
        - Try to submit account without a name
        - Try to submit an account with all fields filled out; and when fields are filled out correctly, the user is directed to the home page and is logged in with the account that they just created.
        - Check to make sure that you cannot register for an account while you are logged in to a separate account, and that you have to log out of the account that you are logged in with before registering a new account.
        - Check to make sure that a user cannot create a duplicate account!
- Creating a post
    - We will test to make sure that a post can successfully be created and that all fields are filled correctly. An image can be uploaded, text is limited to a specific amount of characters (500), usertag should link to user profile.
    - Test Cases
        - Unit: Make sure post inputs (Post title, post text) are received correctly and are limited to 100 and 500 characters respectively (subject to

change) Empty submits are rejected and all fields must be required to post.
    - Unit: Make sure photos can be input and received by the website to be used when posts are loaded and displayed
    - Integration: User Tag on post should be able to allow someone viewing a post to travel to the respective post creator's profile page.
    - User Acceptance: Check to see that a post can be created and viewed in the feed after it is created.

Individual Contributions:

- Caelus - I worked on the user page EJS file, and I added get and post methods to server.js for the user page to allow the user to add friends, add recent catches, and view their most recent posts: https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-017-04/commit/aad13051ad5c84b34ba08a1e527fd6867bc436ce
- Matthew- I worked on generating a feed system that would display posts from users. This was designed and implemented, but have yet to test with actual data, will go to office hours to work out some quirks: https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-017-04/commit/364e86aea9a768b337a86bd74f691260ee8dc973
- Victoria - I worked on the initial post request for adding a friend that Caelus then helped me with, made the get request for searching for a friend, and modified the HTML so there was space to search for friends. I am currently trying to redirect the user to the profile page of the user if the username is found on the page, and making a post request for removing a friend. https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-017-04/commit/c630e783f038efc44cd50a54d0c56eb6a5ac0116
- Yuhe - I worked on the create post page which allowed the user to create a new post and post it to the feed page. I also worked on the post request that push all the information about posts into the database and then jump to the feed page. https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-017-04/commit/dd2bc83c094323238b1e17002b4420502050767c
- Spencer - I worked on the server-side functionality for the login page. I created both a get and post request for it. The post request checks if the entered user credentials are valid - it redirects to the homepage if they are, displays an error message otherwise. In addition, I added the basic functionality to track user sessions. https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-017-04/commit/0edfc6f30c70d34e25b1e1786023c6d1e180b733
- John - I worked on my get and post requests for the registration page, for the form to take in the input from the user and put it into the database. Added requirement checks such as checking password length. Page should redirect to login as well. https://github.com/cub-csci-3308-spring-2022/csci-3308-spring22-017-04/commit/bfbcbda3ac03ccd4f4a4b9bb1fd2fd328669b004

Project Management: Most Recent Feature Roadmap Updates:

- **NodeJS (Team)**
    - **Currently in the process of completing NodeJS functionality, database is being deployed and tested by all members of the team.**
- CSS Features (Victoria)
    - Need Overall CSS file to apply a template/format all the webpages to align **(COMPLETED)**
    - Decide on format look and aesthetics **(COMPLETED)**
    - Dropdown menu **(IN PROGRESS but not necessary to functionality of website it'd just be nice)**
- Database Features (Yuhe)
    - Need all tables established（COMPLETED)
    - Add columns to posts table(COMPLETED)
        - User id to connect what user made post
        - Column for content of a post
    - Add data table for registration info that will be used with login info(COMPLETED)
    - Add table for catches(COMPLETED)
        - Image column to store picture of catch
        - Name of fish
        - Length of fish
        - Location fish was caught
    - Add columns to users
        - Profile picture
        - Array of user id's of buddies
- Creating a Post (Yuhe)
    - Need to get information about the post from users(COMPLETED)
        - Post_name which is the title
        - Post_content that is not empty and less than 500 words
        - A tag that shows what is the post about
- User Profile Page Features (Caelus)
    - Friends List
        - Add friends by friend button
        - Will be linked to users page (partially completed)
    - Display posts under page
        - Contains images, text, contains link to post itselfs (partially completed)
    - Catches
        - Display all catches inputted by user (partially completed)
        - Allow user to insert more catches (partially completed)

- Create Post Page (Yuhe)
    - Receive inputs such as post text, post title, images, etc.

        - Figure out how to receive images and have them in the SQL database
    - Interface should be similar to register page, up to developer preference

- Go-FishFeed (Matthew)
    - Consistent background **(Completed)**
    - Display posts
        - Posts contain image, text, user profile picture, user profile handle, user's actual name **(Database Implemented, Feed being Designed (3/30/2022))**
        - Post links back to the user who posted it **TODO**
    - Display posts under page
        - Contains images, text, contains link to post itselfs
        - Multiple cards, just like in Lab 8 **TODO**
    - User information table? Pulls posts from table to upload to display on page

- Gofishhome (Spencer)
    - Heatmap (maybe)
    - User search?
    - Reformat to be more of a landing page to direct users to log-in/sign-up
- Login (Spencer)
    - Fix navbar alignment
    - Connect login page with database
        - Store user information into the database, username, password, name, email, etc…
- Registration (John)
    - Database table for registration inputs ✔️?
    - Add email check functionality better than just looking for "@" (WIP)
    - Check length of password and that confirm password matches ✔️
    - Receive user input into a database (WIP)
    - Add additional filter protection to inputs (WIP)
- Userprofile Settings/Change (Victoria)
    - Feature to add catches
        - Image, text, etc…
        - Also will need an edit profile page in order to edit catches
    - View your friends list
        - Add and remove friend ON HOME PAGE