CP414 Final Project – Phase 2: Prototype

Team Members

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Front-End Design

For our prototype we first designed a logo and name, deciding to call our messenger application "ChatTime". Thus far our project consists of 6 html pages consisting of a sign-in page, forgot password page, new user sign up page, messages page, profile page, and search page. In our current implementation the sign up page, sign-in page and forgot password page are all linked together to allow for the user to easily navigate throughout the various phases of signing in. Once the user is signed in he or she is redirected to the messages page and if it is a new user then the user is directed to the profile page. The messages page currently lists out some dummy conversations in a vertical bar on the left and when a bar is clicked the full conversation will be shown on the right. This page will require the most functionality as we will have to add potential emojis, file transfer, picture transfer, location etc. once we begin developing the backend. The profile page is simply a page where the user can input certain information about themselves and upload a profile picture. Currently we have made the form for this page and implemented the picture upload feature. The search page is used for users to search for contacts either by name or by username. This page currently has a mock of what we expect the search to look like with some fake users. Once you sign in the top of the screen has a nav bar that easily lets you navigate throughout the pages along with a sign out button that will redirect the user to the sign-in page. To ensure that the style of our website is consistent we made proper use of class hierarchies in css.

Implementation Plan

- Develop a SQL Database Schema that will efficiently let us store and query user data and chat history
- Develop security measures within the website including binding parameters for contact searches and input validations for the log in screens
- Determine strategy for emailing forgotten password & for sending verification code to email upon first sign up (Perhaps use PHP mail() function)
- Implement and test messaging feature once figure out how to store messages in backen
- Work on features to improve the chat such as file transferring, sending pictures, emojis etc.