CMPT 276
Amandeep Rehal, Carter Kelly, Dillon Van Horn, Mya May, and Phillip Dykman
Group 3

StreamShare

GitHub: https://github.com/carterkelly9/StreamShare

ABSTRACT

StreamShare is a collective shared media center. Users upload media (video, music, photos, etc) that they would like to access and/or stream over the internet, and can set up sharing with other users. Each user then has a media library of content combined from their own and shared uploads. The service pulls metadata, and the user can create playlists, read reviews and have automatic album art/poster art. The inter-user mechanics and file hosting (sharing, access, communication, uploading) is similar to Google Drive. The media library management similar to XBMC - an online media center.

CUSTOMER

Any person who enjoys streaming and sharing digital media is a customer for StreamShare. Customers who want the best of each individual streaming service that is currently offered can use StreamShare as it focuses on more than just one part of a complete media center app.

COMPETITIVE ANALYSIS

There are many different media centers available on the internet. It seems that most of them focus on either music (Subsonic, AudioGalaxy), or video (Air Video). StreamShare focuses on on all types of media, with dedicated players for each kind. Users who want access to all their media (or the media shared by a friend) would use StreamShare as a substitute for multiple apps focused on different things.

USER STORIES

Story #1: User Authentication; Actor(s): user, administrator

When the regular user clicks on the sign up or sign in, the sign up or sign in page will be loaded. If the authentication is successful, the default page containing all of the user's file will be displayed. The default page has a navigation bar where the use can search the uploaded

files, find metadata of media or logout, which will exit the app and go back to the login page. When the administrator clicks sign in, the sign in page will be loaded. If administrative authentication is successful, page containing all administrator's functions will be loaded.

Story #2: File Hosting; Actor: user

After the user successfully logs in, the user will be on the default page, where the user can click upload or find files in the navigation bar. If the user clicks upload, several upload methods will be displayed, and the user must choose one. Once the user selects the files to be uploaded, the option of changing another user's access will be displayed. Here, the user can directly share to email or social media.

Story #3: Media Library Search; Actor: user

The user can use the search bar on the default page to search for the existing media files. When the media files are searched, the application automatically fetches relevant metadata and displays them.

Story #4: Opening files; Actor: user

If the user clicks on a media file, the built-in player will play the content including the fetched metadata. The user can resume playing music and video where it left off, or fast forward and backward.

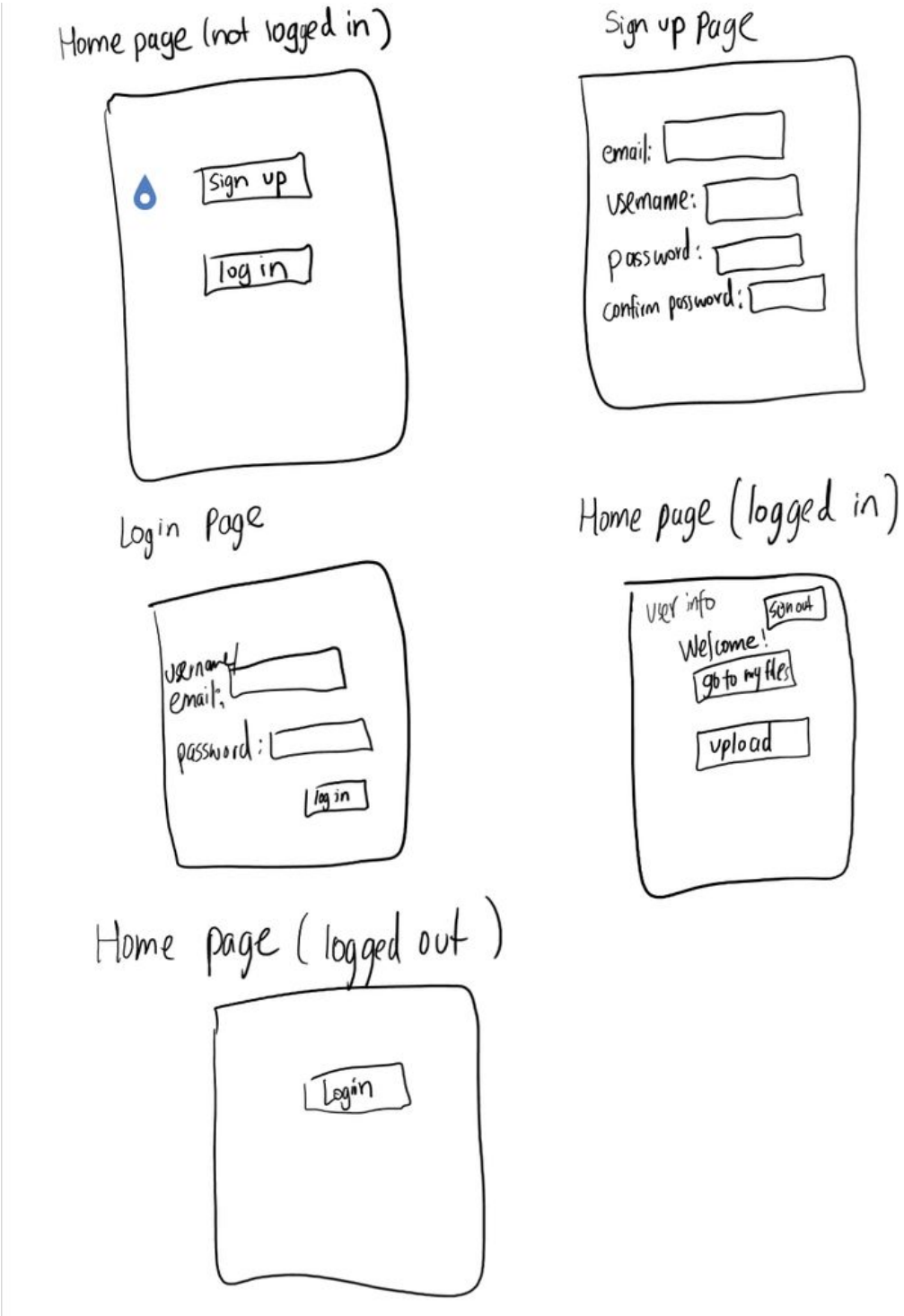
TESTING

The following are credentials for users already in the database. Use for testing of different user role views:

Base user:
Email: bob@sfu.ca **Password**: bobpassword

Admin user:
Email: jbonzoe@sfu.ca **Password**: joeypassword

USER INTERFACE REQUIREMENTS



The original design (above) has changed to include a navbar across the entire application. Also, when logged in as a user, the library is viewed, but when logged in as an admin, there is also a list of users.