CS 411

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Project Proposal

Idea 1:

Create an application that connects people through their musical interests. Users connect with Spotify friends through the Spotify API. They are able to see what their friends are listening to and access their friends’ shared Spotify playlists. Users can then, through the Echo Nest API, perform a variety of tasks in the application. They can search for information on an artist that they find through Spotify; this includes biography information, information about the artist’s music, and blog post related to the artist. The database component of the application is found in Spotify—where users search their friends’ public playlists and can search for other music directly on Spotify—and in Echo Nest—where users access stored information about artists and their music. The application is intended to allow users to see what their friends are interested in and search for similar music, find more information about artists, or discover new music.

Idea 2:

Create a secure messaging application. Users connect through Facebook or Twitter contacts using either the Facebook or Twitter APIs. They can then establish a secure session using the Apigee Oauth API and begin to chat securely with a contact. This application prevents the conversation from being snooped or recorded. The database component is found when the user has to login to Facebook or Twitter—they must provide login information, which is compared back to a database. This application is intended to allow users a secure forum to hold conversations with their Facebook or Twitter contacts.