VibeStream

Music discovery app

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Programs used

- Azure Data Studio
- Azure Services
  - SQL Database
 - SQL Server

Developed Skills

- GUI creation
- SQL queries
- Improved Python skills
- Database creation and monitoring

Difficulties throughout the project

- Getting everyone connected to the database
- Creating the GUI
- Managing the database
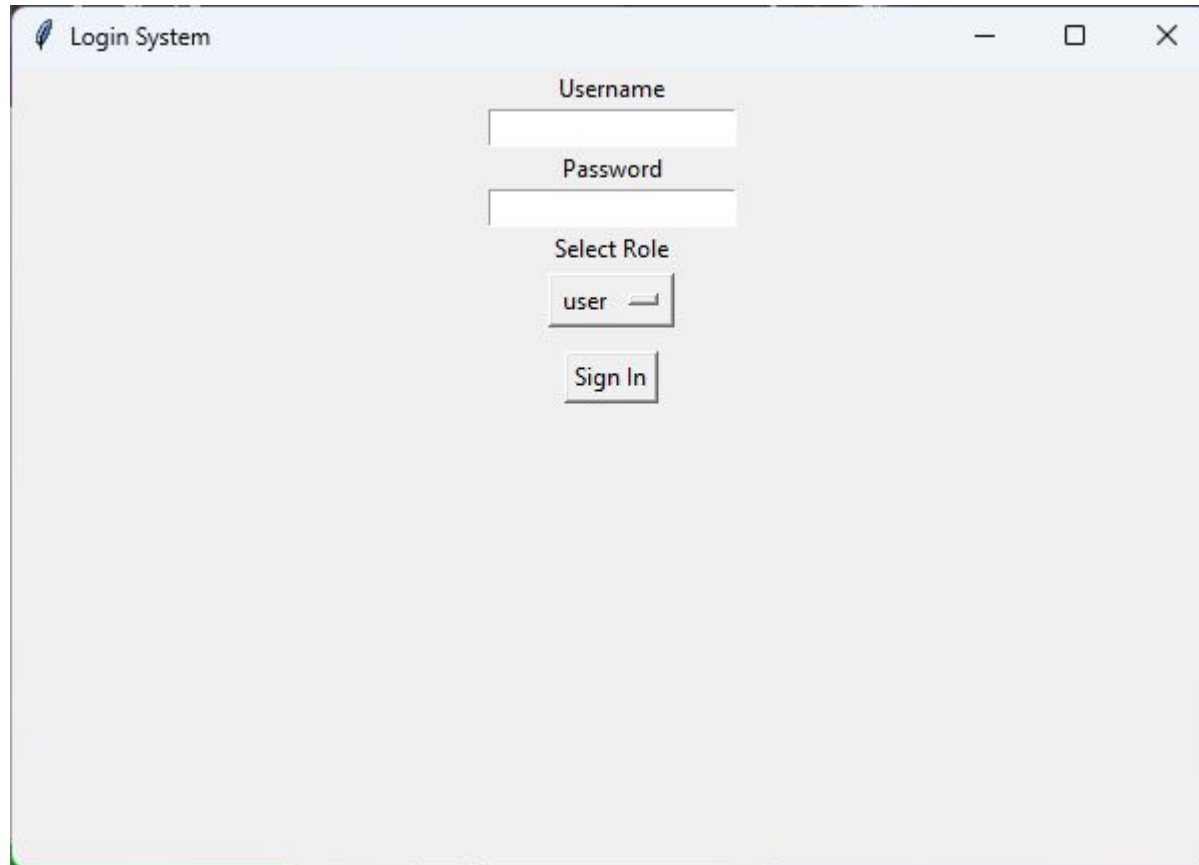- Separating the different types of users

Users

- Listeners
  - Listens to the music and creates playlists
- Artists
  - Uploads albums and songs for users to listen to
- Mods
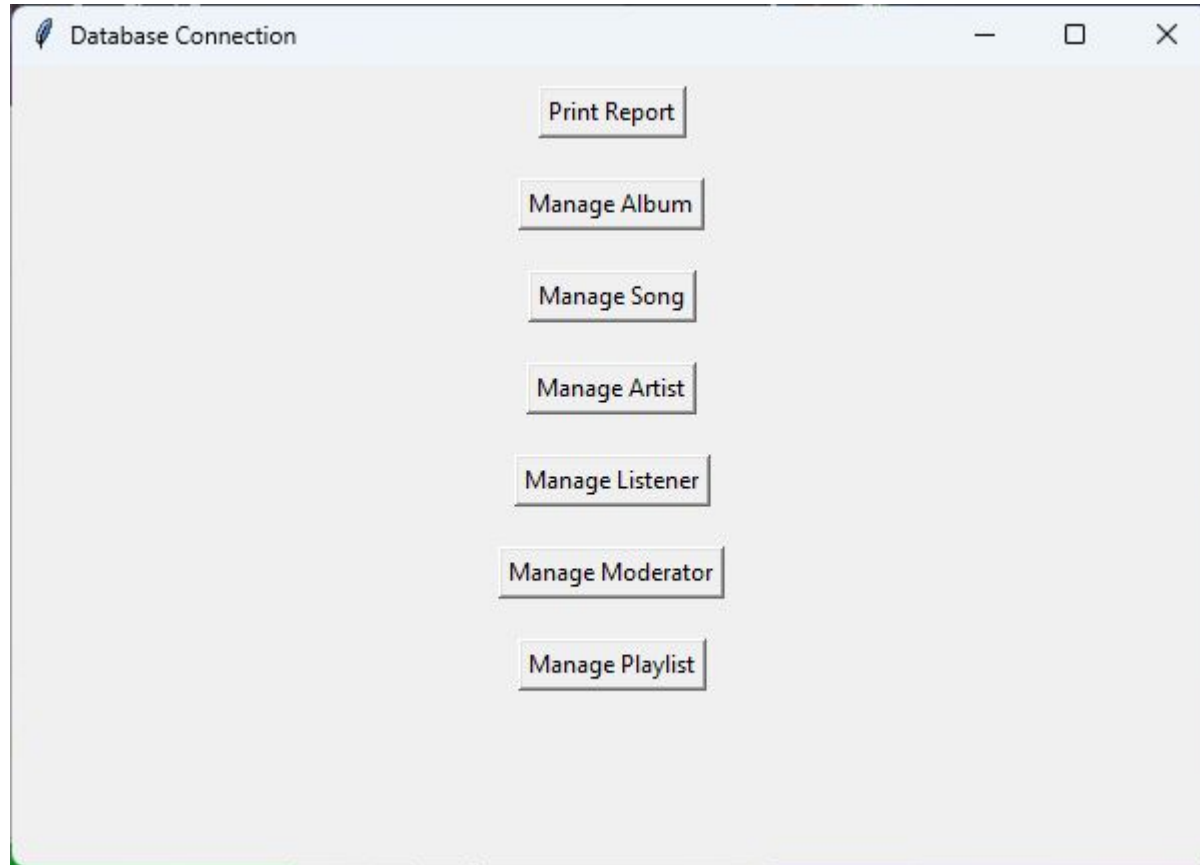 - Admins, moderates the platform
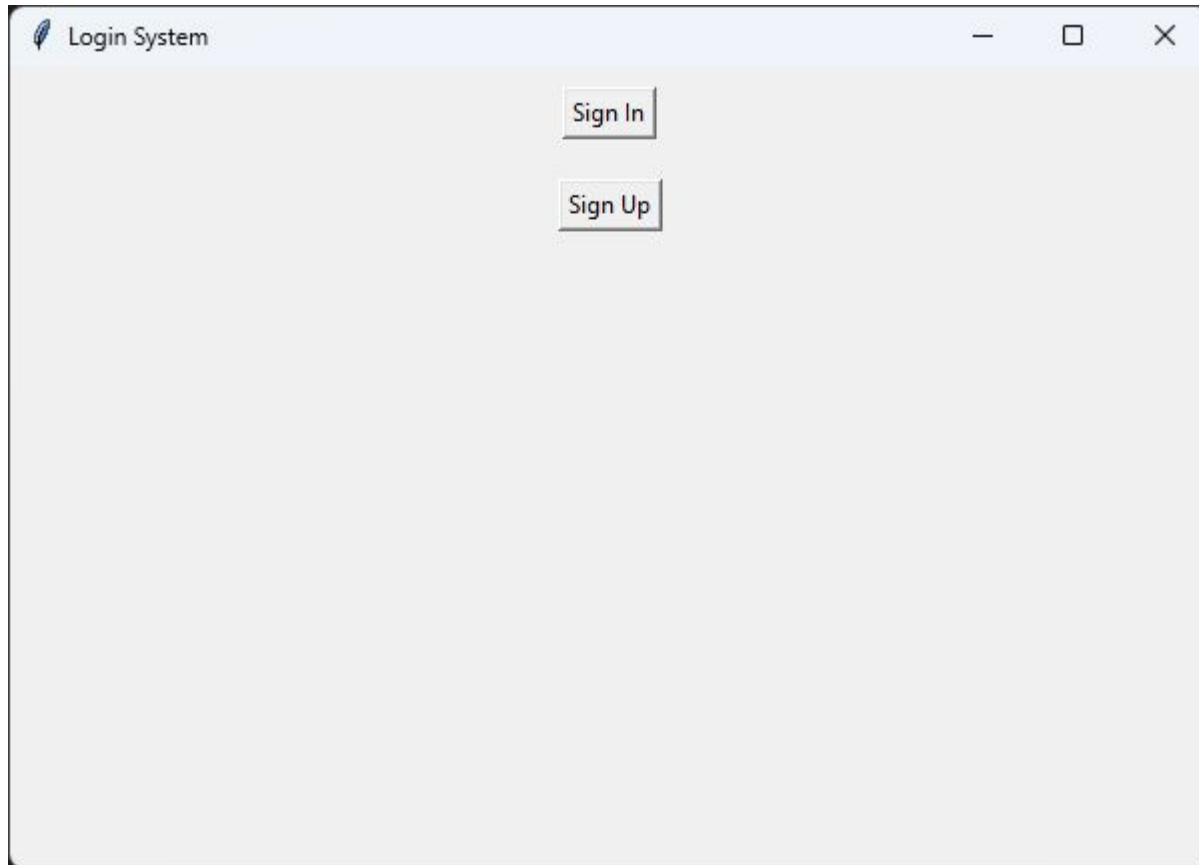
Login Screen

Gives the user a chance to Sign in or Sign up

Sign in Screen

User enters their username and password, selects their role, and signs in

Moderator Screen

Mod can do all of the options on the left

Moderator Screen Print Report

This is where the Mods can see an overview of the total number of users on the platform, then broken down by type, the number of songs and albums, and finally the number of albums for any given year

Moderator/Artist Screen Album Management

This is where the Mods/Artists can insert, delete, or update a particular album for an artist if an artist needs help, an album is deemed unfit for the platform, or update in the case of a mistake

Moderator/Artist Screen Song Management

This is where the Mods/Artists can insert, delete, or update a particular Song for an artist if an artist needs help, an album is deemed unfit for the platform, or update in the case of a mistake

Moderator Screen
Listener Management

This is where the Mods can insert, delete, or update a particular Listener if a Listener needs help or is deemed unfit for the platform

Moderator Screen
Moderator Management

This is where the Mods can insert or delete another Mod. In theory this would be separated into Mod tiers where Mods could not just add or delete whomever they wish.

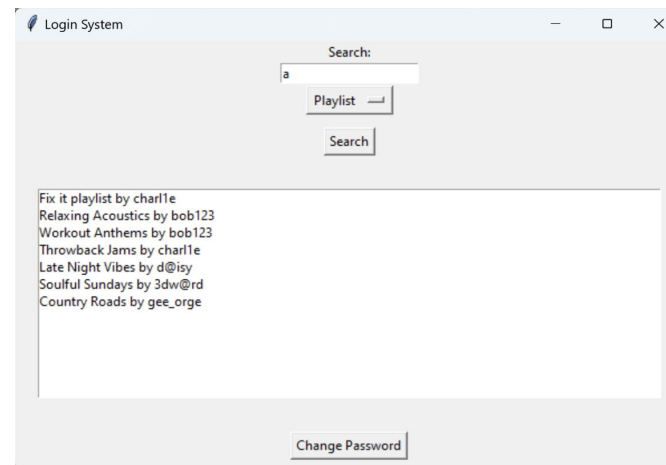# Moderator/Artist/Listener Screen Playlist Management

This is where anyone can insert, update, or delete a Playlist of songs to listen to.

Login System

Search:

Song

Search

Change Password

Sign out

Listener Screen

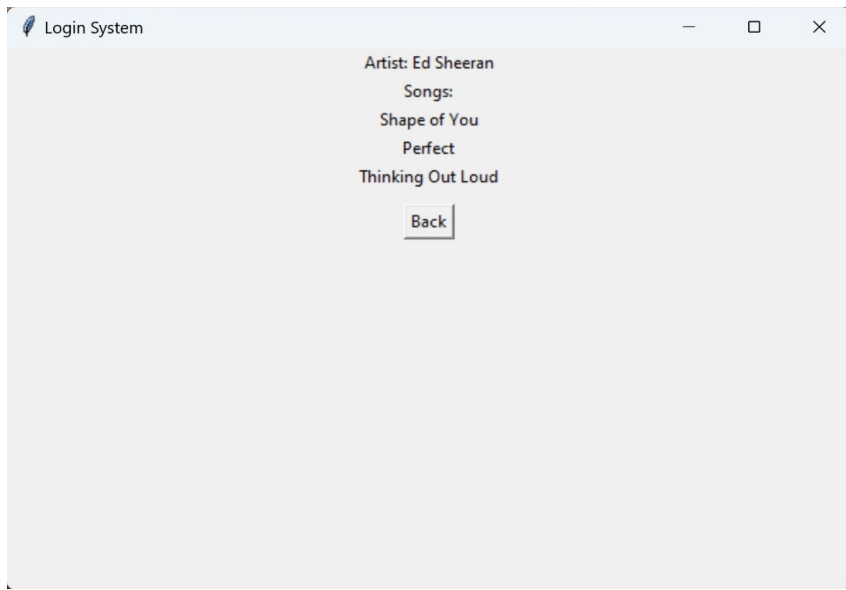This is where a listener can search for Songs, Artists, Albums, and Playlists

Note the change password and sign out capability
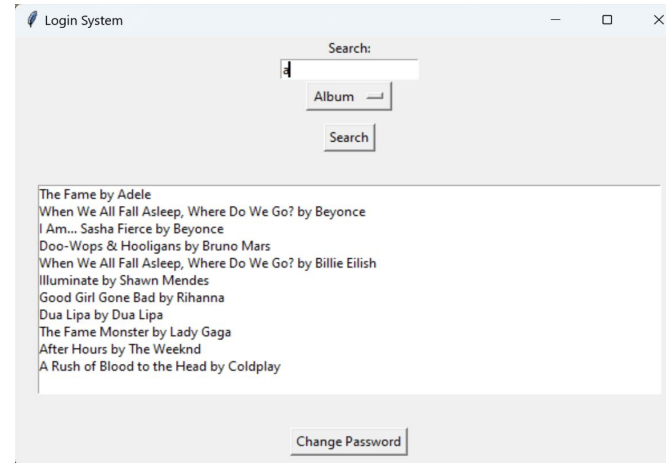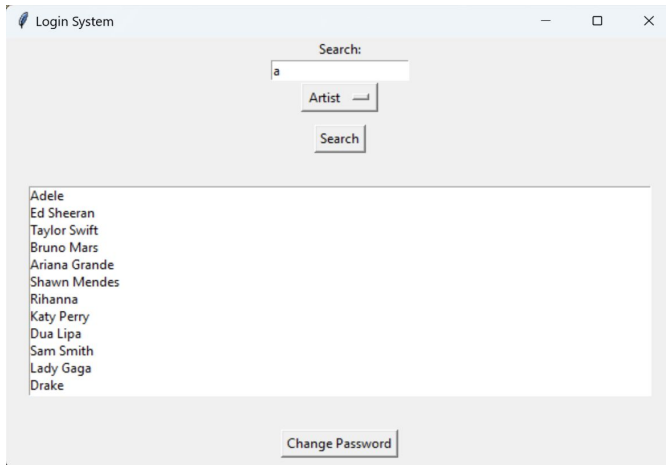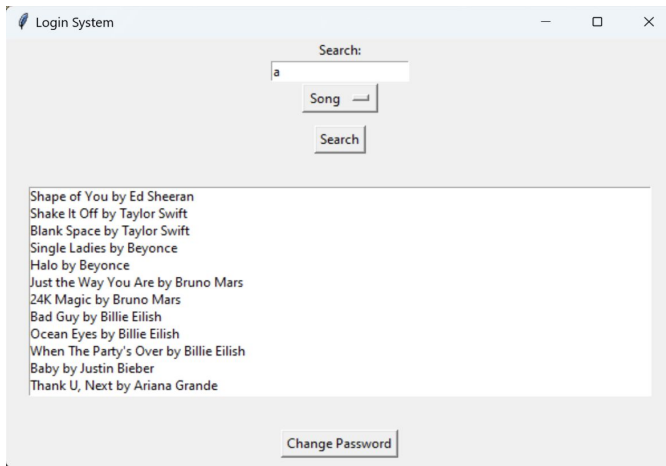
Listener Screen search results

Each category shows a different result

Window 1 (Song):

Login System

Search:
a

Song

Search

Shape of You by Ed Sheeran
Shake It Off by Taylor Swift
Blank Space by Taylor Swift
Single Ladies by Beyonce
Halo by Beyonce
Just the Way You Are by Bruno Mars
24K Magic by Bruno Mars
Bad Guy by Billie Eilish
Ocean Eyes by Billie Eilish
When The Party's Over by Billie Eilish
Baby by Justin Bieber
Thank U, Next by Ariana Grande

Change Password

Window 2 (Album):

Login System

Search:
a

Album

Search

The Fame by Adele
When We All Fall Asleep, Where Do We Go? by Beyonce
I Am... Sasha Fierce by Beyonce
Doo-Wops & Hooligans by Bruno Mars
When We All Fall Asleep, Where Do We Go? by Billie Eilish
Illuminate by Shawn Mendes
Good Girl Gone Bad by Rihanna
Dua Lipa by Dua Lipa
The Fame Monster by Lady Gaga
After Hours by The Weeknd
A Rush of Blood to the Head by Coldplay

Change Password

Window 3 (Artist):

Login System

Search:
a

Artist

Search

Adele
Ed Sheeran
Taylor Swift
Bruno Mars
Ariana Grande
Shawn Mendes
Rihanna
Katy Perry
Dua Lipa
Sam Smith
Lady Gaga
Drake

Change Password

Window 4 (Playlist):

Login System

Search:
a

Playlist

Search

Fix it playlist by charl1e
Relaxing Acoustics by bob123
Workout Anthems by bob123
Throwback Jams by charl1e
Late Night Vibes by d@isy
Soulful Sundays by 3dw@rd
Country Roads by gee_orge

Change Password

Login System — □ ×

Artist: Ed Sheeran

Songs:

Shape of You

Perfect

Thinking Out Loud

Back

Login System — □ ×

Album: I Am... Sasha Fierce

Artist: Beyonce

Songs:

Thank U, Next

7 Rings

Into You

Back

Login System — □ ×

Playlist: Late Night Vibes

Created by: d@isy

Songs in Playlist:
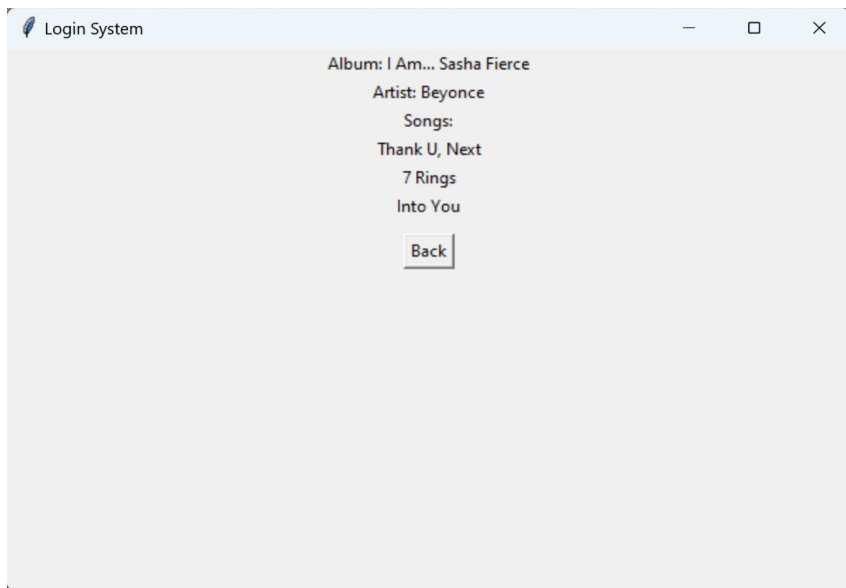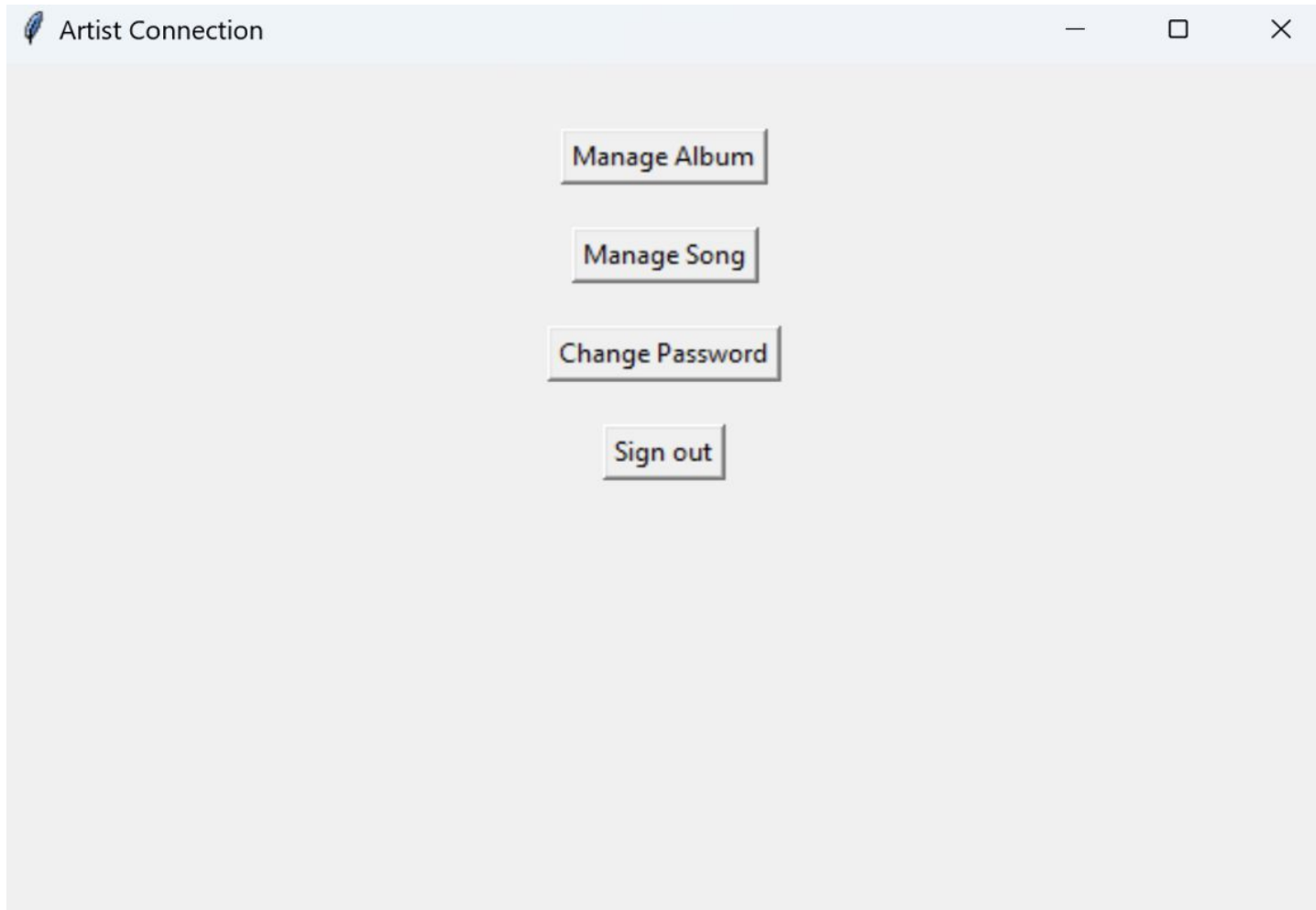
Love Story

Halo

Back

Listener results pages

Gives in-depth information for playlist, artists, and albums

Artist Screen

This is where an artist can manage their own songs and albums. Similar to moderator, but limited to one's self.

Change Password

Thank you!