

Live Song and Prosper

Members: Stiven Peter, James Yang, Nicole Cheng, Max Bertfield

Basic Features

- Users can upload a photo
- The photo will be analyzed and a search query returned
- A song based on that photo is returned

Tentative Features

- Links to all songs containing the photo can be returned
- Embedded soundcloud can be used to play the song
- Album art of the song can be returned

APIs

- Clarifai - Image Recognition
- Musixmatch - Song database
- Soundcloud possibly

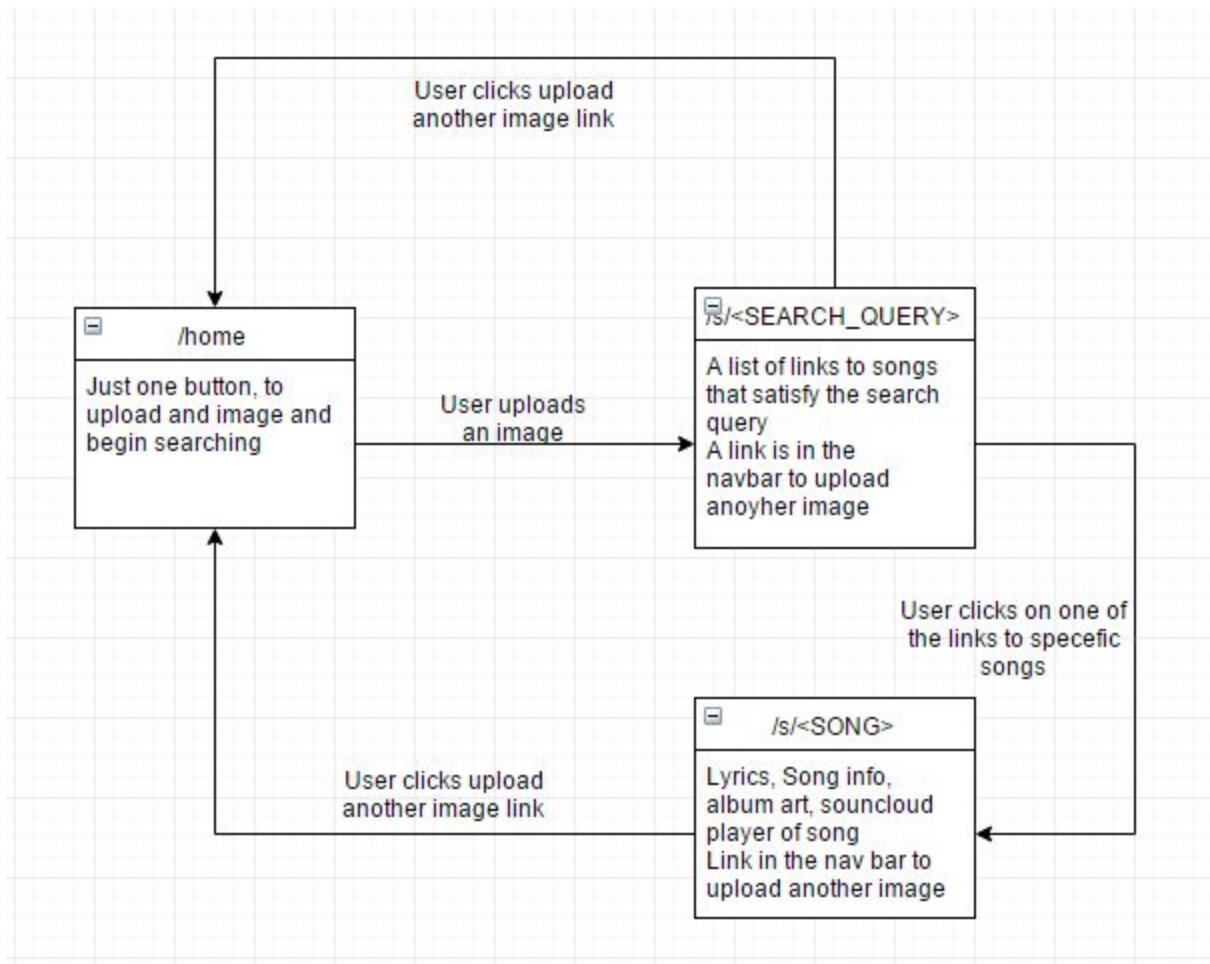
Python Modules

- app.py
 - Serves the frontend
 - Calls upload.py
 - Calls song.py
 - Backend for Homepage and individual song pages!
- upload.py (/utils)
 - Methods about uploading
 - analyzing photos
- song.py (/utils)
 - Methods calling the song api
 - Functions return lyrics, name, genre, artist, etc...

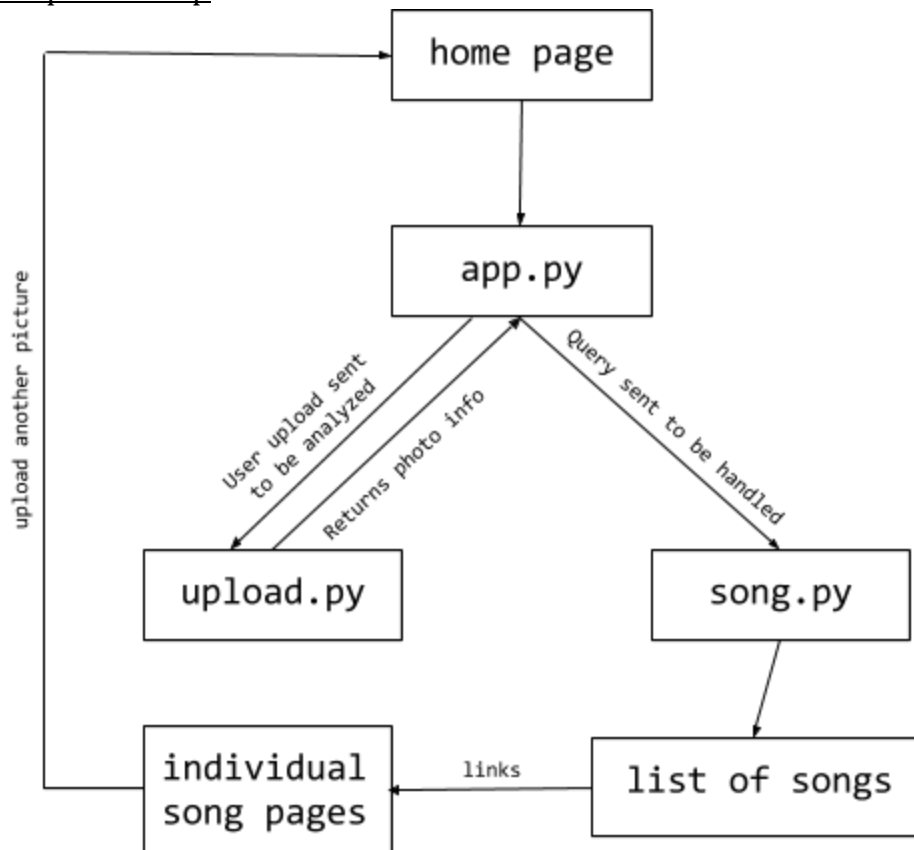
Breakdown of Tasks

- Max:
 - Upload.py
 - Dealing with user's uploading experience
 - Image processing
- Nicole:
 - Song API calls
 - Returning songs and other song features
- Stiven:
 - Front end
 - Bootstrap
 - HTML files
- James:
 - Project Manager
 - App.py
 - Flask file

Site Map



Component Map



Timeline

- December 5th: Design Document completed and uploaded to Github
- December 7-8th:
 - Max: Uploads draft of upload.py
 - Nicole: Uploads draft of API calls
 - Stiven: Has common page format, menu bar
 - James: Uploads draft of app.py
- December 9-10th:
 - Combine each component to create draft project
 - Find bugs, glitches, inconsistencies
 - Begin fixing bugs, glitches, inconsistencies
- December 11-12th:
 - Enhance styling
 - Develop final drafts
 - Publish final version