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Team-- Schweak

Project 1: Get your data off of me, you damn dirty APIs!

Concertify

APIs Used:

Spotify

<https://developer.spotify.com/web-api/>

Ticketmaster: Discovery + Commerce(?)

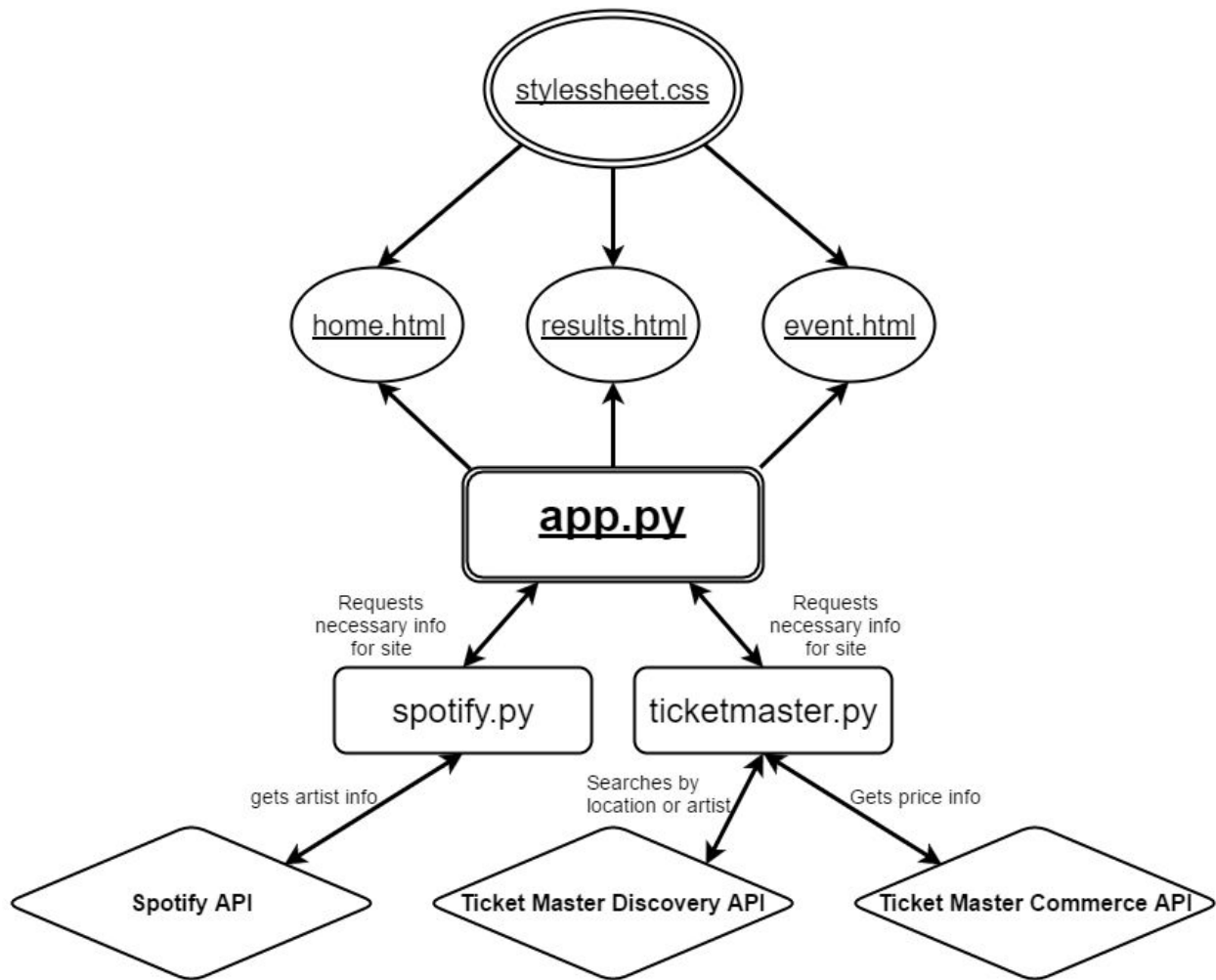
<http://developer.ticketmaster.com/products-and-docs/apis/getting-started/>

Overview: Concertify is a search engine like website for finding upcoming concerts for a certain area or artist. After the user searches for something, the result page shows relevant events with details about the event and then information/links to the artists performing at the event and previews of songs.

Components:

- templates/
 - home.html -- ("/"): displays just the title, description of the site, and search bar
 - results.html -- ("/search"): results of search, shows all relevant events
 - event.html -- ("/view"): page for specific event with full details.
 - Lists the artists and the tracks/links(?) to each artist's top 5 songs as well as links to artist's spotify profile
 - Information about prices
 - Information about location
 - Link to Ticketmaster page
 - stylesheet.css -- designates style for our webpages
- utils/
 - spotify.py -- interacts with Spotify API
 - Gets links to artist's spotify page
 - Gets top songs of that artist
 - Gets picture for that artist
 - ticketmaster.py -- interacts with Ticketmaster API
 - Performs searches for events by artist and/or location
 - Finds which artists are at the events
 - Gets data about prices
 - Gets data about location
- app.py -- controls travel of user/ the data (flask)

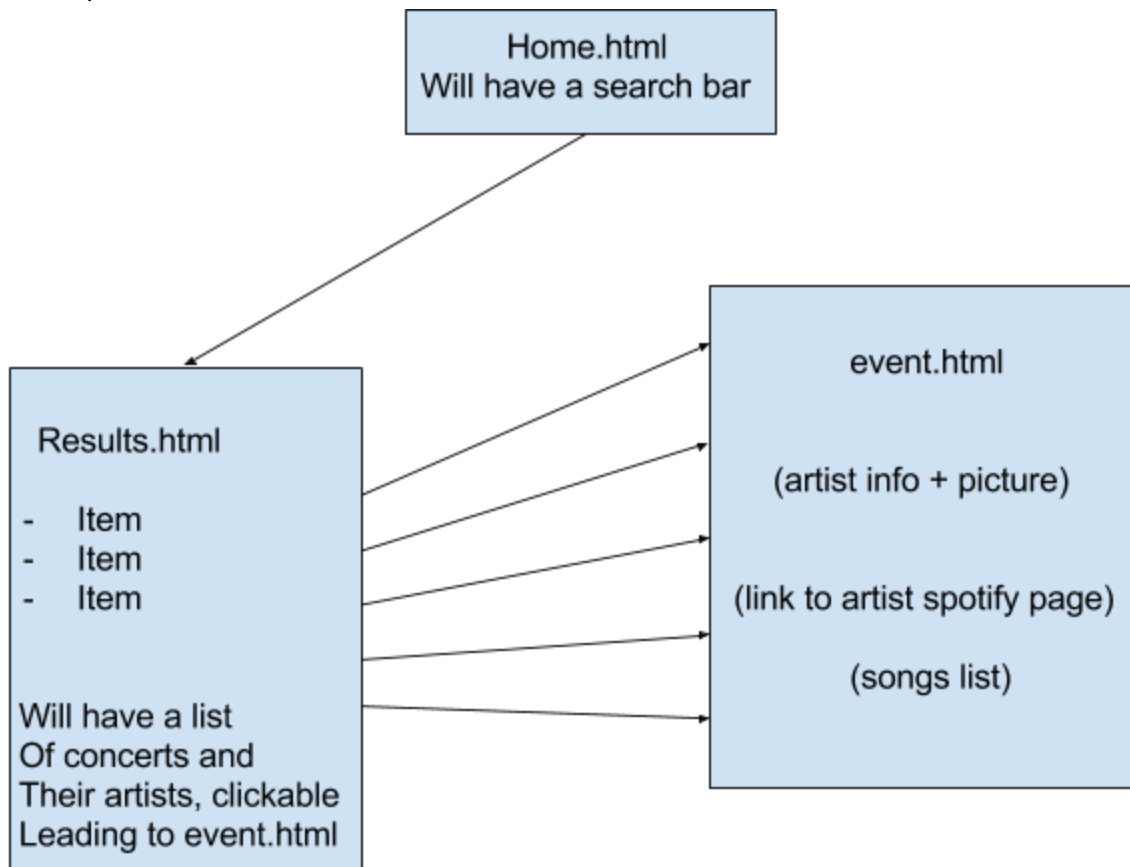
Component Map:



Optional:

- Accounts: users can create accounts to save things that they find interesting and want to look back at later.
- templates/
 - profile.html -- "/user": displays the things the user has saved in 3 categories, events, artists, and songs.
- auth.py -- for login/register authentication

Site Map:



Task Delegation:

| Name | Roles | Files | Descriptions |
|--------|-----------------------------|------------------------------------------------------|----------------------------------------------------------------------|
| Ayman | Project Manager Frontend | style.css Home.html Results.html event.html | Templates and stylesheets/frame work. |
| Elias | API man | spotify.py ticketmaster.py | Work with APIs and major functions. |
| Angela | Backend | app.py | Combining both ends and making sure everything is cohesive. |

Timeline:

- Monday: Do the Ticketmaster API end (ticketmaster.py).
- Tuesday: Do the Spotify API end (spotify.py).
- Wednesday: Do the HTML frontend (home.html, results.html, event.html).
- Thursday: Do the Flask end (app.py).
- Friday: Do the CSS for the site.
- Saturday-Sunday: Do the extra features and polish the site.