A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green. They are positioned diagonally, with the blue one partially covering the green one.

YouTube Prediction

By Spencer Negri



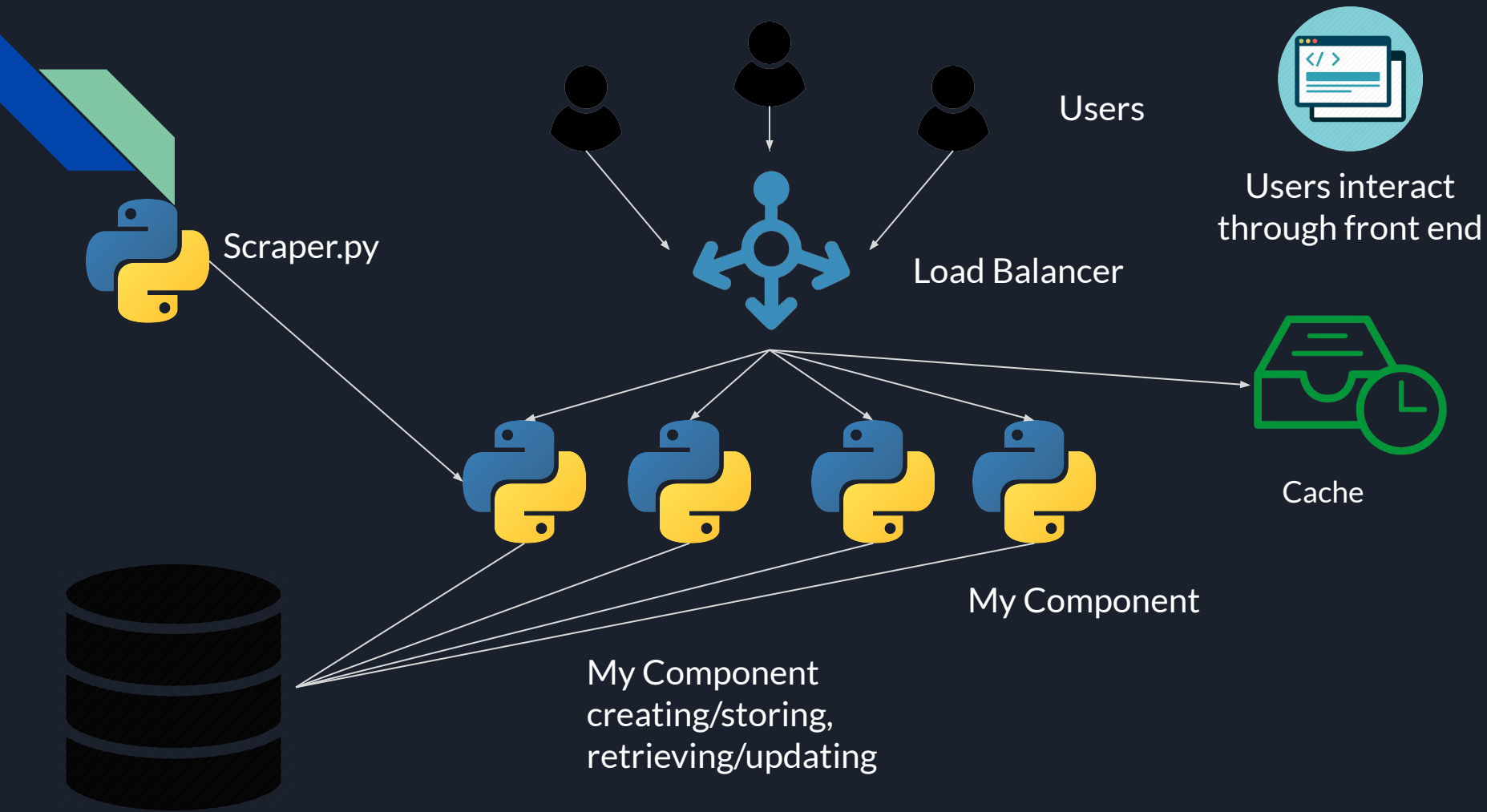
Who is our user?

- A millennial looking for video idea recommendations that will become popular
- What is popular?
 - High numbers of likes and views
- Given a user who wants to make videos about a certain topic/topics, our application will tell them if these topics will get views/likes or no



Our Idea

- Collect data regarding the frequency of certain aspects of existing videos (views, likes, dislikes, etc.)
- User will have interests that he/she wants to make a video about in order to be famous (DIY, makeup, costumes, etc.)
- Create a report for the user informing them of how popular their video is expected to be based on previous videos of the same topics



Component Demo

```
[SpencerNegri : ~/Desktop]$ python Negri_Spencer_DEV\ Submission.py Default_Attributes.txt
{'cars': 1, 'halloween': 11, 'apple': 9, 'music': 74, 'news': 9}
Generating user report for snegri...
-----USER REPORT-----
-----BEGIN cars-----
Your topic cars produced a cumulative 0 views, 0 likes, and 0 dislikes from other YouTubers
Topic like:dislike ratio: No dislikes
Average views per topic: 0
-----END cars-----
-----BEGIN news-----
Your topic news produced a cumulative 43605733 views, 1553151 likes, and 35916 dislikes from other YouTubers
Topic like:dislike ratio: 43.2439859673
Average views per topic: 6229390.42857
-----END news-----
-----BEGIN halloween-----
Your topic halloween produced a cumulative 8213993 views, 319433 likes, and 17120 dislikes from other YouTubers
Topic like:dislike ratio: 18.6584696262
Average views per topic: 1173427.57143
-----END halloween-----
-----BEGIN apple-----
Your topic apple produced a cumulative 20417221 views, 840391 likes, and 29166 dislikes from other YouTubers
Topic like:dislike ratio: 28.8140643215
Average views per topic: 2552152.625
-----END apple-----
-----BEGIN music-----
Your topic music produced a cumulative 589550191 views, 16561682 likes, and 582282 dislikes from other YouTubers
Topic like:dislike ratio: 28.4427167592
Average views per topic: 12816308.5
-----END music-----
```



Things Not Shown

- My component creates the class structure for our application
 - Creates User, Topic, Video
 - Creates interactions between classes
 - Easier management/manipulation of data
- Scrapes "database" or csv for data necessary to predict a video's popularity



What I Would Do Next

- Make use of predictive analytics tools such as domo
 - a. Given my contribution, should be easy to integrate
- Modify my code to compile a list of keywords that resulted in the most views
 - a. Suggest this to the user
- Given a topic with a good rating (from our future software), suggest specific videos to the user of similar topics
 - a. Could accomplish this using the video list my code compiles