

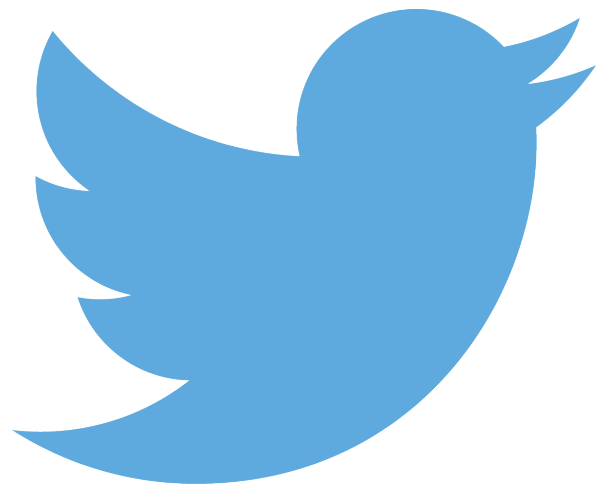
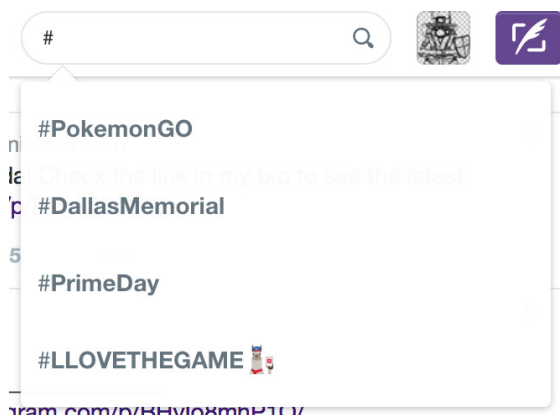
Data Sources

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APP USED FOR DECONSTRUCTION

WHAT AND WHY

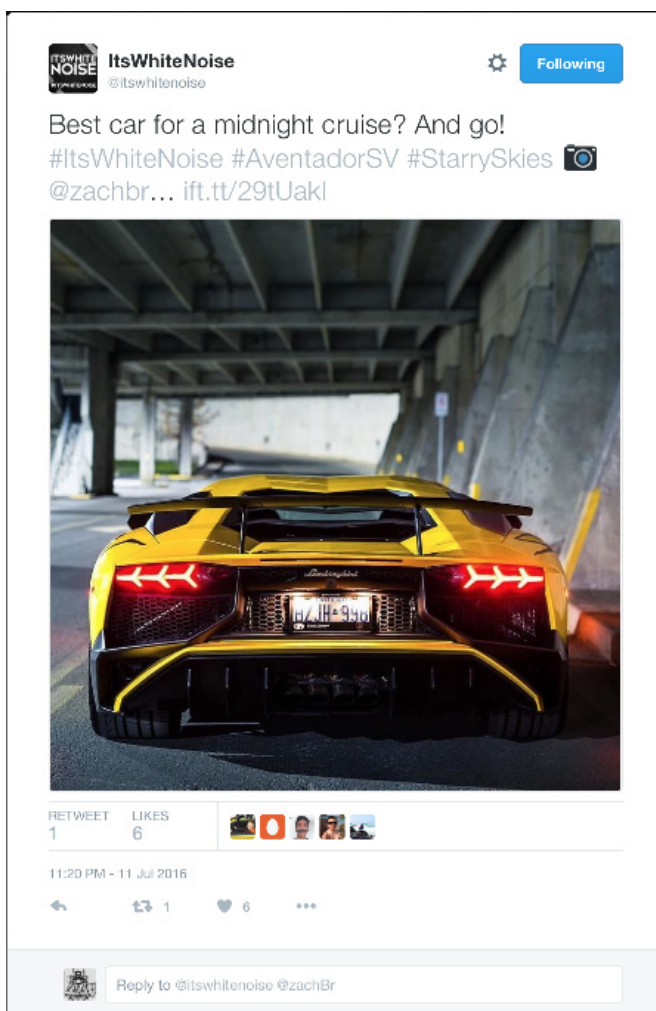
The app I will be using for deconstruction is Twitter. I chose Twitter to deconstruct because of the large amount of data and queries that go into Twitter's features like your feed, retweets, and tweets themselves. Every social media platform is linked with thousands upon thousands of tables and numerous databases, everything you click gets linked back somewhere and for this reason I chose a social media platform, in this case Twitter, to deconstruct.



APP FEATURE TO BE DECONSTRUCTED

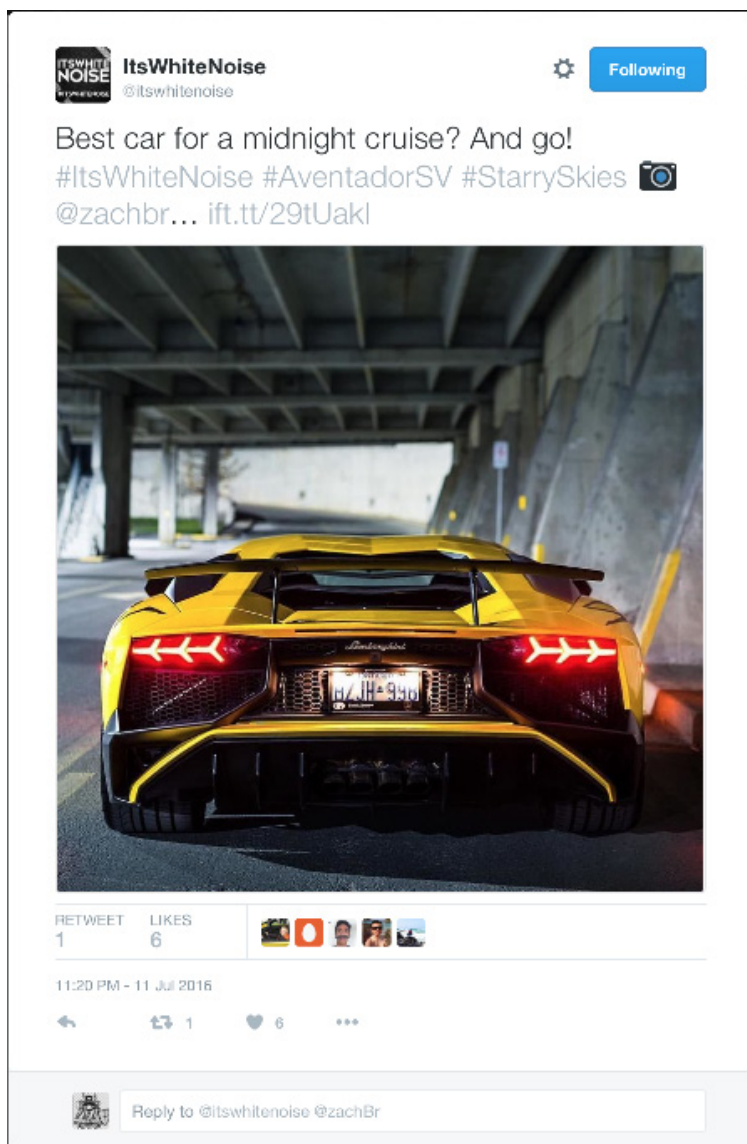
IMAGE TWEETS

The specific feature from Twitter that I will be deconstructing is an image tweet. On the surface it appears as a simple image, but when you get down into the details there is much more behind the scenes. The image tweet will derive from the regular text-tweet, and get more in-depth with hashtags, likes, replies, retweets and more. Because there is all of this information in a single tweet, there will be multiple data sources, making this a good candidate to deconstruct.



THREE SOURCES BEING PULLED INTO FEATURE

HOW THREE SOURCES ARE USED



SOURCE 1: IMAGE

The first and main data source for this Tweet is the actual image itself, which would have been uploaded to a database when the user posted this tweet and then retrieved when viewing the tweet. This image would be in a class that derives from the basic text tweet, but with another database entry for the image link.

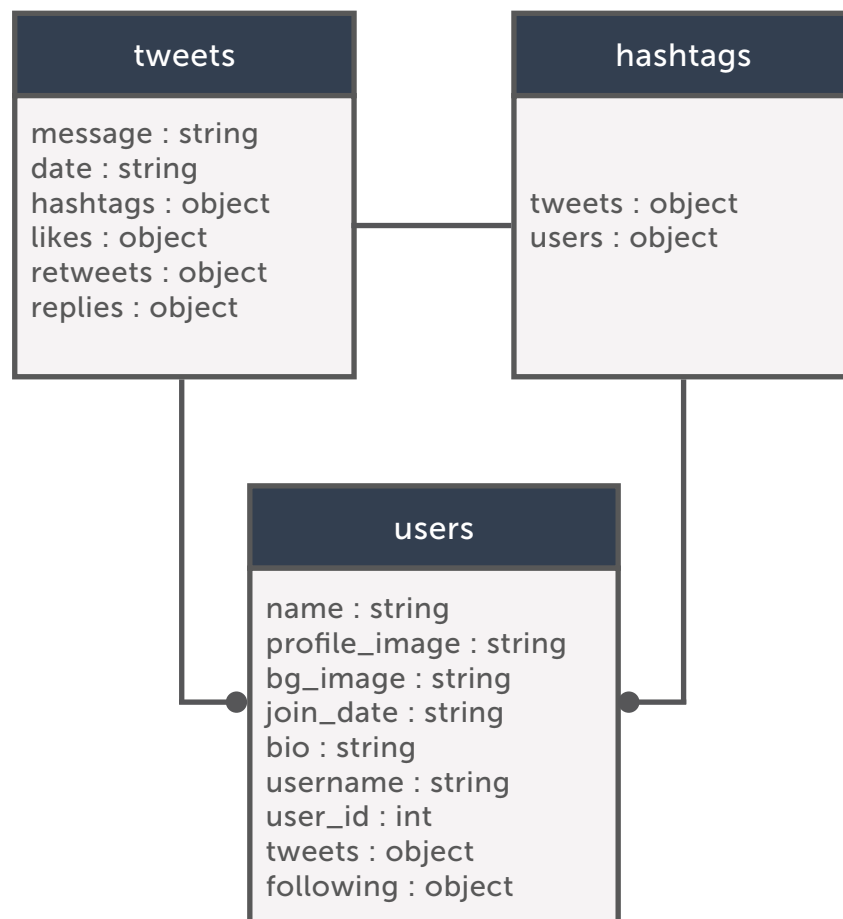
SOURCE 2: HASHTAGS

The second source being pulled into this tweet will be the hashtags used. Each hashtag is more than just text; it is an object that links to a list of other tweets sharing that same hashtag and also lists users associated with that hashtag. When viewing a list of hashtagged tweets you are seeing tweets from multiple different users across twitter, therefore you are seeing information pulled from the users and tweets database.

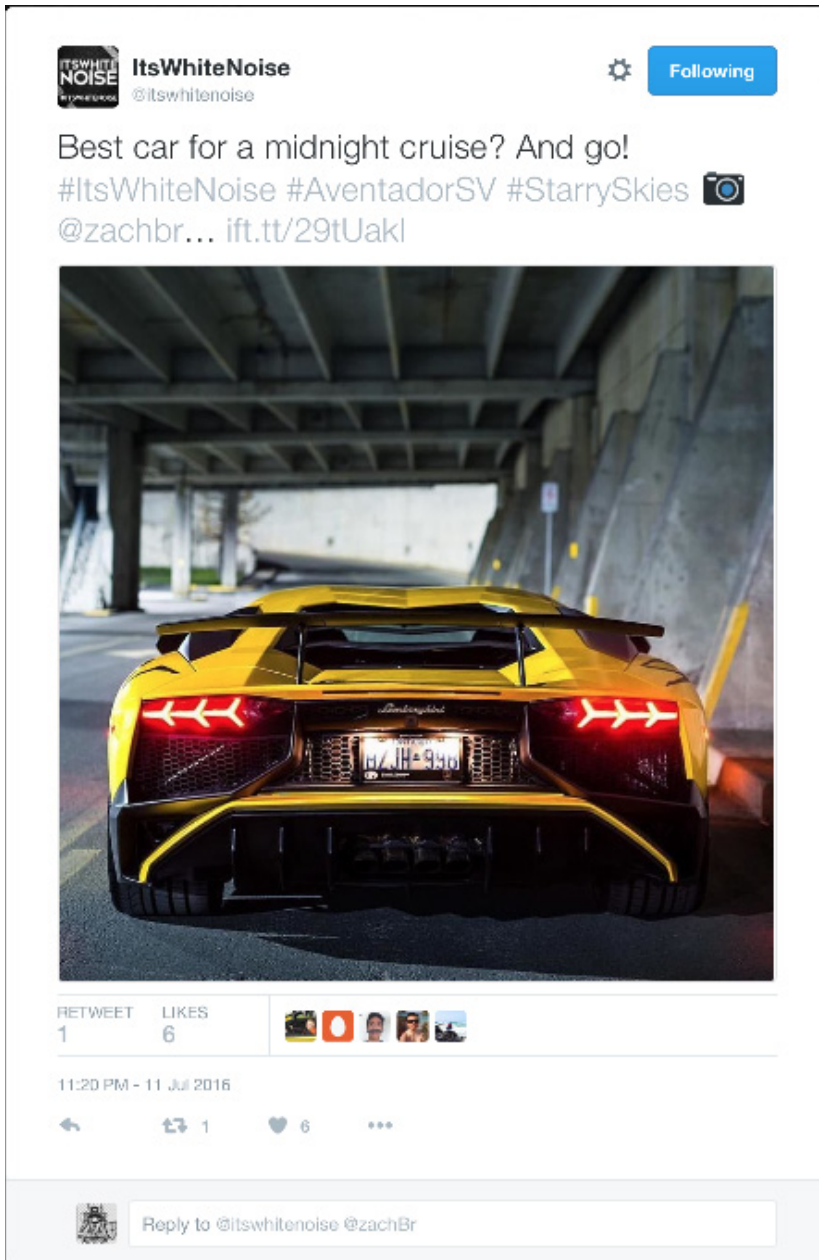
SOURCE 3: MENTION

Just as the hashtag was an object, the mention in this tweet is an object as well as the users who liked this tweet. The mention and profile thumbnails link back to that specific user's profile page and even query information about that user on hover, showing their profile pic, bio, stats, etc.

POSSIBLE UML CHARTS AND VARIABLES USED



POSSIBLE METHODS AND CLASSES USED



PSEUDO-CODE

```
ImageTweet : base TextTweet {
  image : string }
```

```
TextTweet { description : string; date
: string/timestamp; Likes : class;
Mention : class; Retweets : class; }
```

```
Hashtags { hashtag : object; tweets :
object; users : object; }
```

```
if (followingUser=="true") { print
following button::onHover unfollow
} else { print follow button }
```

```
Mention { user : object; }
```

```
Retweets { RetweetsArray { user :
object } RetweetsArray.Count }
```

```
Likes { LikeArray { user : object }
LikesArray.Count }
```

```
UserThumbs { user : object;
LikesArray for i=0; i < 10; i++;
onHover::print name : string, bg_
image : string, profile_image : string,
username : object, tweets : object,
following : object, followers : object,
follow button : object }
```

REFERENCES

Twitter | ItsWhiteNoise Tweet. (n.d.). Retrieved July 12, 2016, from <https://twitter.com/itswhitenoise/status/753036633721737216>

Twitter | ItsWhiteNoise Tweet. (n.d.). Retrieved July 12, 2016, from <https://twitter.com/itswhitenoise/status/752719141052805120>

Twitter | DougDemuro Tweet. (n.d.). Retrieved July 12, 2016, from <https://twitter.com/DougDeMuro/status/753023521727606785>

Twitter Logo: https://g.twimg.com/Twitter_logo_blue.png

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