

# SpotiStats

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# Overview

Our framework aims to provide statistical analysis and visualizations of user's music tastes

Data/Music Plugins:

- Spotify Plugin
- LastFM Plugin

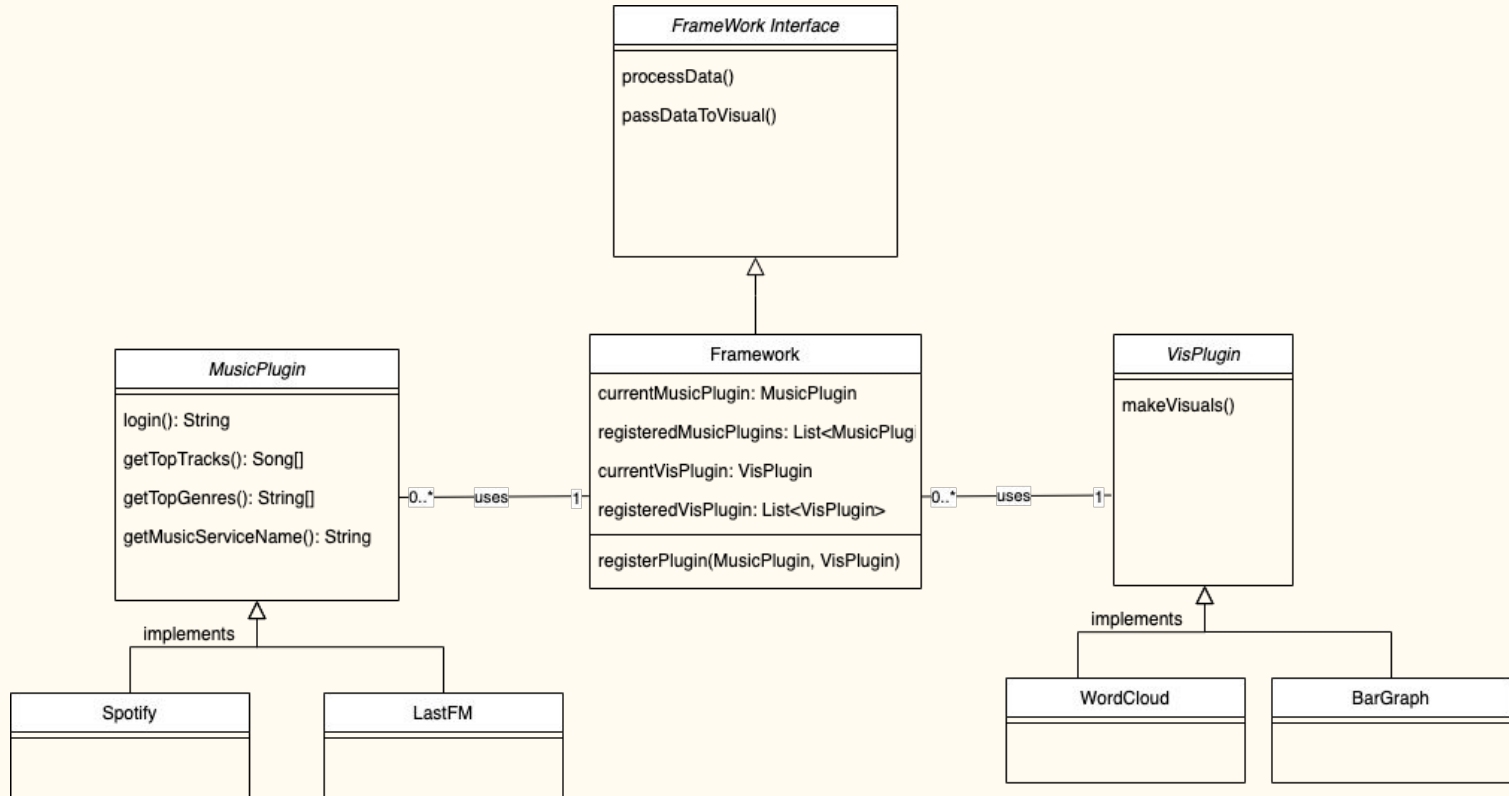
Visualization Plugins:

- Word Cloud
- Bar Graph

# Generality vs. Specificity

- Framework accepts data in various JSON formats from various sources
- Targeting music data specifically, can only make word cloud and bar graphs
- Reusable! Framework can accept data from different music tracking sources, process different types of data, and generate the visualizations

# UML Diagram



# Song Class

```
public Class Song {  
  
    private String song;  
    private String artist;  
    private String artist_id;  
    private String song_id;  
    private String img_url;  
    private Int popularity;  
  
    public Song(String song, String artist, String artist_id, String song_id, String img, Int popularity)  
    {  
  
        this.song = song;  
        this.artist = artist;  
        this.artist_id = artist_id;  
        this.song_id = song_id;  
        this.img_url = img;  
        this.popularity = popularity; }}
```

# Thank You

