Danny Gimeno

CS 4550 – Project 1

My project will be a music research platform that will allows the researcher to search artist statistics as well as compare and research artists that are on the same agency.

**Problem statement:**

Right now, it can be difficult to get a good read on how popular an artist is when you do not have access to industry resources like pollstarpro.

However, one without industry resources can use information such as likes on Facebook, monthly listeners on Spotify, and search statistics on Google Trends to get a better idea.

**High Level:**

My project aims to centralize this data on a single page and create a visually intuitive and appealing way to analyze popularity data on musical artists. Upon completion, one will be able to search by one or more artist’s name and see data on them from sources like Spotify, Facebook, and Google. I will also attempt to create a way to dynamically get all artists from multiple agencies rosters using web scraping. This will make it possible for one to review all current artists on an agency’s roster. One will also be able to sort and filter artists by their statistics (e.g. more than 1000 likes on their Facebook page) after a multi-artist search has been made. There are different features for the three main users: general researchers, agents, and promoters.

**Domain Objects:**

* Artists: Information on artists in the database
  + Can be on Agent Rosters
  + Can be on Promoter Venues
  + Can be on a User Watch list
* Agent Roster: The list of artists in an agents roster
  + Includes Artists
  + Belongs to an agency
* Promoter Group: Promoting group that a promoter belongs to
  + List of all venues the promoter has booked
  + Artists the promoter has booked
* Venue: A place that an artist can play a show
  + Includes artists that played
  + Includes list of promoters that have booked the venue
* Agencies: Agency that an agent belongs to
  + Has a list of all agent rosters
  + Has a list of all artists on the agency

**Potential Human Users:**

* General Researcher: Those who just want to compare
  + Goals
    - Look at artists in certain agency
    - See how popular artists are
    - Compare artists
    - Save artists they are interested in
  + Relation to other users
    - See which promoters have booked the artist
    - See what agents have claimed artists
  + Relation to domain objects
    - Can see artists
    - Can see agencies that exist
    - Can see promoters that exist
* Promoter User: People who book shows for a venue
  + Goals
    - Look at artists in a certain agency
    - Compare artist popularity data
    - Record artists that they’ve booked at their venues
    - Save artists they are interested in
  + Relation to other users
    - See what agents have claimed artists and when
    - See what artists have been looked at by guests and gen researchers
  + Relation to domain objects
    - Can see artists
    - Can see agencies & agent rosters
    - Can see venues
    - Belongs to a promoter
* Agents: People who work at agencies
  + Goals
    - Claim artists and put them on your personal roster
    - See your artists popularity data
    - Save artists that you want to watch
  + Relation to other users
    - See which promoters have booked your artists
    - See how often guests and gen researchers have searched your artist
  + Relation to domain objects
    - Can see artists
    - Can see venues
    - Can see promoters that book a venue