# Sam Moghadam

# Investigative Techniques

Assignment 2 Log

* Google search: “spotify api”
* Created Spotify API app at [developer.spotify.com](http://developer.spotify.com) to get access tokens
* Google search: “spotify python library”
* Installed Spotipy (a third-party Spotify API library for Python): <http://spotipy.readthedocs.io/en/latest/#>
* Read the Spotify Web API User Guide for general information about the API and how to use it: <https://developer.spotify.com/web-api/user-guide/>
* Google search: “spotipy token”
* Found following Stackoverflow post: <https://stackoverflow.com/questions/46966932/how-to-work-in-spotify-python-api>
* Adapted above code for first query
* Queried Spotify API for “Radiohead” on the API’s Search for an Item page in order to get artists’s unique ID number for purposes of Python query: <https://developer.spotify.com/web-api/console/get-search-item/?q=tania+bowra&type=artist>
* Checked results of first query against the Spotify app (by logging into Spotify, searching for “Radiohead,” and clicking on the band’s artist page, and verifying that the top three tracks are being returned accurately)
* Google: “spotify api”
* Browsed Spotipy’s Github directory for examples of possible queries: <https://github.com/plamere/spotipy/tree/master/examples>
* Found query that returns albums by an artist: <https://github.com/plamere/spotipy/blob/master/examples/simple1.py>
* Adapted above code for second query
* Verified results of second query against the Spotify app (by going to the artist page for Radiohead and verifying that all singles by the band are represented in the query result)
* Browsed Spotipy’s Github directory for other queries; found following query: <https://github.com/plamere/spotipy/blob/master/examples/audio_analysis_for_track.py>
* Adapted above code for third query
* No way to really verify the results of this query, as that would involve highly technical acoustic analysis