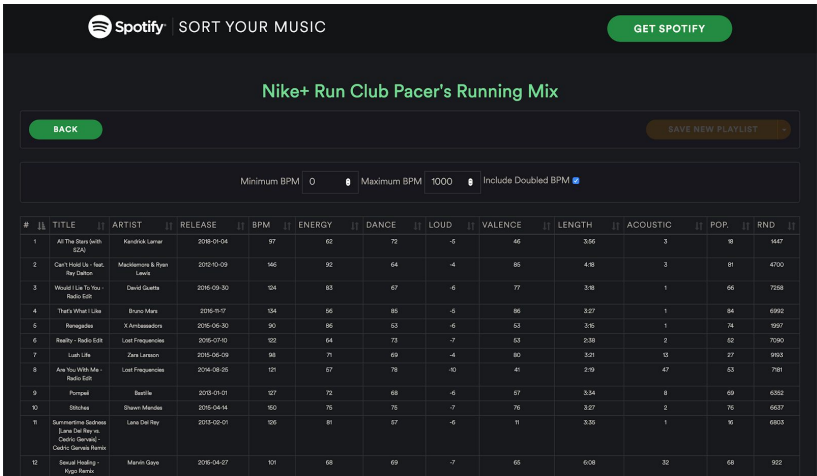


INFO 4871 Project Proposal

Spring 2019

Team name:	Drowzee
Student names:	Juan Vargas-Murillo Daniel Zhou Willy Tardif
Date:	2/26/2019
This is a revised proposal:	<input checked="" type="checkbox"/> No, original proposal <input type="checkbox"/> Yes, revised proposal
Choose one project type:	<input checked="" type="checkbox"/> Data + Evaluation <input type="checkbox"/> Implementation augmentation <input type="checkbox"/> Implementation
FILL OUT THE APPROPRIATE SECTION BELOW FOR YOUR PROJECT	
DATA + EVALUATION PROJECT	
Brief description of data:	<div><p>https://developer.spotify.com/documentation/web-api/reference/tracks/get-several-audio-features/</p></div>
Data source:	Public Running Spotify Playlist: http://sortyourmusic.playlistmachinery.com/
Recommendation task:	Recommend an user with a specific type of playlist (i.e., running playlist) similar playlist or top-k songs based off of the features associated with the songs in their playlist.

Algorithm(s):	LKPy's HPF and/or Implicit algorithms like, ALS and/or BPR.
Methodology:	Training Data: A set of user created playlist and the associated songs Test Data: A set of songs that could be added to a playlist
Evaluation metric:	For now just accuracy (MSE and RMSE) using k-fold cross validation and maybe if time allows test for coverage, novelty and serendipity

