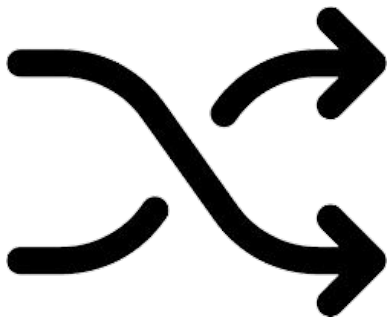# Improved Spotify Shuffle

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Chosen Problem

- Spotify's shuffle algorithm doesn't fit most consumer needs
- Instead of being a true shuffle, they prioritize songs you listen to more, leaving other songs in the dark
- Many people have addressed this problem in the spotify community posts
- Spotify only provides arbitrary ideas that could be simply solved with a fixed algorithm

Potential Design

- Instead of only one shuffle, provide three options:
  - Original algorithm (prioritize most listened to songs)
  - Reverse algorithm (prioritize least listened to songs)
  - Normal shuffle (complete shuffle with no prioritizations)

Pseudocode

- Collect user info like their song list and play counts
- Create three different functions
    - One that sorts song list by play counts descending
    - One that sorts song list by play counts ascending
    - One that only shuffles
- Have an if statement for each function option
- Begin playing music

Open Questions

- It surprised me that this system doesn't already exist, I think it's really silly the way they currently have their shuffle algorithm
- I am only really familiar with Spotify, so I wonder if any other music platform has a different system

Citations

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