

PROBLEM STATEMENT

Although Spotify gives users some options for automatically generated playlists, users do not have enough control over their preferences for the generated playlists. The options already available are automatic “Daily Mix” playlists based on songs the user already listens to, “Discover Weekly” playlists for new music, “Release Radar” playlists for new releases, and “Song Radio” based on a single song. We want to give users the options to create more customizable automatically generated playlists based on features such as mood, genre, song, artist, existing playlist, and playlist length.

OBJECTIVES

- Allow users to log in via Spotify and Facebook or Facebook Messenger
- Allow users to input their preferences into the Facebook Messenger chat interface
- Provide users with custom playlists generated based on factors, such as:
 - Desired genre(s)
 - Playlist length
 - Desired mood
 - Based on a seed song or a variety of songs
 - Based on a playlist or a variety of playlists
 - Based on artist(s)
 - A combination of the above
- Provide users with listening history stats, such as:
 - Happiest songs
 - Most common key
 - Most listened to songs
 - And more!

STAKEHOLDERS

- Spotify users
- Facebook Messenger users
- Developers
- Music enthusiasts

DELIVERABLES

- A Facebook messenger bot that generates playlist links based on user inputted desires and displays user listening history stats
- Algorithms that use Spotify API to generate lists of songs based on listening history stats