

# BPM: A Better Playlist Builder

Alana Anderson (afa2132), Katie Pflieger (kjp2157), Matt Kronegold (mak2265), Tristan Orlofski (tio2001)

## Part 0: Demo Details

We completed our demo on Wednesday 11/7 at 1pm. We did not run into any unexpected issues when presenting our demo; however, we did receive some good feedback. One thing we discussed was how we know that the playlists we generate actually match the criteria provided. For our next iteration, we plan to build more robust testing to ensure that the playlists we generate are correct. We also realized that we need to shuffle the songs before the playlist is created, so that playlists with the same criteria will not always be identical.

## Part 1: User Stories

The specific user stories and conditions of satisfaction that were demonstrated are as follows:

1. Login:
  - a. We implemented a persistent authentication flow, where a user can create a BPM account and authenticate with spotify
2. Welcome:
  - a. If the user already has a BPM account, they will be asked to enter their username
  - b. If the user does not have a BPM account, they will be asked to create one and authenticate with spotify
3. Enter Inputs:
  - a. The user can specify length of playlist, start speed, and end speed and we will build a playlist that matches their specifications
  - b. If the user enters an input that is invalid (such as length of -10), they will be asked to try again
4. Logout:
  - a. The user can type "logout" at any point and be logged out of the system
  - b. The next time the program is run, the user can either login again with their BPM account (so that they do not have to re-authenticate with spotify) or let another user login

We have not made any significant changes to these user stories since our proposal.

## Part 2: CI Mechanisms

For our project, we are using Travis CI hosted in the cloud (travis-ci.org). The CI is configured to run static code analysis using pylint and pytest everytime a contributor tries to push to the master branch. The results of both tests are pushed to our GitHub repository on a separate branch. By pushing to a separate branch, we prevent an endless loop of the CI being triggered by its own pushes.

## **Part 3: GitHub Repository**

<https://github.com/mattkronengold/bpm>