Process Automation Interview

Round 2

Jack Arens

# Work Steps

1. Researched applications
   1. Settled on Spotify
   2. <https://spotipy.readthedocs.io/en/2.18.0/#api-reference>
2. Planned functionality:
   1. Command line (usable as part of other scripts)
   2. Open application
   3. Open specific pages
   4. Control music
3. Coding
   1. Had to set up API keys to connect to app
      1. Realized that I was working with a web tool
   2. Built out wrapper class for python library
   3. Figured out how to parse information to retrieve URI
   4. Implemented URI opening method
      1. More difficult than initially though
      2. Not entirely intuitive
   5. Grabbed command line arguments
   6. If-elif-else chain (in place of switch) to process commands
   7. Built out playlist selector

# Future Work

1. Discover if URIs have control capabilities
2. Implement randomized album/artist/playlist selection from the user’s current favorites
3. Integrate more directly with the desktop app
4. Re-implement functionality in bash
5. Write/fill classes for Artists, Albums, Playlists, and Users