CIS156 Final Project Documentation

Use the bullet points to fill in requested information below and submit this document with your final project. **It is essential to include line numbers!**

# General Information

Your Name:

* Caprice Godinez

## Overview

In 2-3 sentences, describe your final project. What is it? What does it do?

* Music is something that I am extremely fond of, and for my final project I decided to create a program that helps a user make a playlist. The user will be able to manage songs from the playlist too.

## Directions

Explain how I should use/test your project.

* There are five simple steps to use my program:
* 1. Choose to add any song to a playlist
* 2. Choose to remove any song from the playlist
* 3. Display the current songs in the playlist
* 4. Simulate a song to be played from the playlist
* 5. Exit the program

## Sources/Resources

List any outside sources you used to solve problems, including complete URLs. You do not need to list sources from the course (the textbook, videos and resources linked in the Module Overview pages, etc.). *Note: Failure to identify a source will be considered plagiarism.*

* [Python module to create music playlist (windows) - Stack Overflow](https://stackoverflow.com/questions/14114143/python-module-to-create-music-playlist-windows)
* [Creating a Spotify Playlist with Python | by Leigh | Medium](https://medium.com/@leighmurray_10641/creating-a-spotify-playlist-with-python-7ff7ee94f612)
* [(214) Create Spotify Playlists Using Python - YouTube](https://www.youtube.com/watch?v=3vvvjdmBoyc)

# Project Requirements

## if-statements

Explain where I can find if-statements in your project, including specific file names and/or line numbers. If you have many uses of if-statements, simply list the one or two best examples.

* The first if statement can be found in lines 46-68

## Function with at least one argument/parameter

Explain where I can find a function you wrote that uses at least one argument/parameter, including specific file names and/or line numbers. **This requirement cannot be met using a simple “set” method or constructor (the \_\_init\_\_ function).**

* Lines 33-34

## Function with a return statement

Explain where I can find a function you wrote that returns a value, including specific file names and/or line numbers. It is possible that this is the same function referenced for the previous requirement. **This requirement cannot be met using a simple “get” method.** *Note: in the next segment you will identify where this function is used/called.*

* Lines 26-28

## Use of a function’s return value

Explain where I can find code that calls the above function and uses the return value in a significant way, including specific file names and/or line numbers. **This requirement cannot be met using a value returned by a function/method you did not create (e.g., a function built in to Python).**

* Lines 14-19

## Use of a loop

Explain where I can find a good example of your use of a loop, including specific file names and/or line numbers.

* Lines 34-40

## Basic exception handling

Explain where I can find a good example of your use try-except statements, including specific file names and/or line numbers.

* Lines 44-68

# Elective Choices

Complete at least **ONE** of the following sections:

## User-defined Class

Explain where I can find a class that you’ve defined and used in some meaningful way. Include specific file names and/or line numbers.

## **List or Dictionary**

**Explain where I can find a list or dictionary that you’ve defined, filled, and used in some meaningful way. Include specific file names and/or line numbers.**

* **List structure located on lines 6-8 when I created an empty list for the playlist.**

## File Reading/Writing

Explain where I can find code that reads/writes a file. Include specific file names and/or line numbers.