Music\_playlist

import random

# Predefined genres and moods for auto-generated playlist names

GENRES = ["Pop", "Rock", "Hip-Hop", "Jazz", "Classical", "Electronic", "R&B"]

MOODS = ["Chill", "Workout", "Party", "Romantic", "Focus", "Relax"]

# Function to auto-generate a cool playlist name

def generate\_playlist\_name(selected\_songs):

genres = set(song["genre"] for song in selected\_songs)

moods = set(song["mood"] for song in selected\_songs)

genre\_part = random.choice(list(genres)) if genres else random.choice(GENRES)

mood\_part = random.choice(list(moods)) if moods else random.choice(MOODS)

return f"{mood\_part} {genre\_part} Vibes"

# Function to create a playlist

def create\_playlist(selected\_songs):

# Auto-generate playlist name

suggested\_name = generate\_playlist\_name(selected\_songs)

print(f"Suggested Playlist Name: {suggested\_name}")

# Allow user to customize the playlist name

custom\_name = input("Enter a custom name for your playlist (press Enter to keep the suggested name): ").strip()

playlist\_name = custom\_name if custom\_name else suggested\_name

# Store the playlist

playlist = {

"name": playlist\_name,

"songs": selected\_songs,

}

print(f"Playlist '{playlist\_name}' created successfully!")

return playlist

# Sample song data (example input)

songs = [

{"title": "Song A", "artist": "Artist 1", "genre": "Pop", "mood": "Chill"},

{"title": "Song B", "artist": "Artist 2", "genre": "Rock", "mood": "Workout"},

{"title": "Song C", "artist": "Artist 3", "genre": "Jazz", "mood": "Relax"},

]

# User selects songs for the playlist

print("Selected Songs:")

for i, song in enumerate(songs, 1):

print(f"{i}. {song['title']} by {song['artist']} ({song['genre']}, {song['mood']})")

# Creating a playlist

playlist = create\_playlist(songs)

# Display the playlist

print("\nYour Playlist:")

print(f"Name: {playlist['name']}")

print("Songs:")

for song in playlist["songs"]:

print(f"- {song['title']} by {song['artist']} ({song['genre']}, {song['mood']})")