MOOD BASED MUSIC PLAYER

Using Uipath Studio

A Mini Project By
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PROBLEM STATEMENT

Music has a profound impact on human emotions and well-being, but creating playlists tailored to one's mood often requires manual effort and significant time. Users frequently rely on generic playlists or randomly shuffle songs, which may not align with their current emotional state. This lack of personalization can reduce the therapeutic and enjoyable aspects of music listening.

Moreover, while many applications provide mood-based recommendations, they either require advanced emotion detection tools or are overly reliant on user inputs without offering meaningful interaction or customization. There is a need for a user-friendly system that bridges the gap between mood detection and personalized music recommendations.

ABSTRACT

The Mood-Based Music Player is an intelligent automation application designed to enhance users' emotional well-being by curating music playlists based on their current mood. Developed using UiPath, this system identifies the user's mood through a self-reported input. Based on the detected mood (e.g., happy, sad, stressed), the system selects and plays a personalized playlist that aligns with or aims to balance the user's emotional state. The Mood-Based Music Player offers a dynamic and enjoyable way to personalize music experiences, utilizing the power of automation to bring mood-enhancing music into daily life seamlessly.

SCOPE OF WORK

The Mood-Based Music Player focuses on leveraging user-reported emotional inputs to deliver personalized music recommendations. In its current implementation, the system prompts users to input their mood through simple text descriptions (e.g., "happy," "stressed," "relaxed"). Based on this input, the application maps the described emotion to a predefined mood category and selects a corresponding playlist from a database of mood-tagged music.

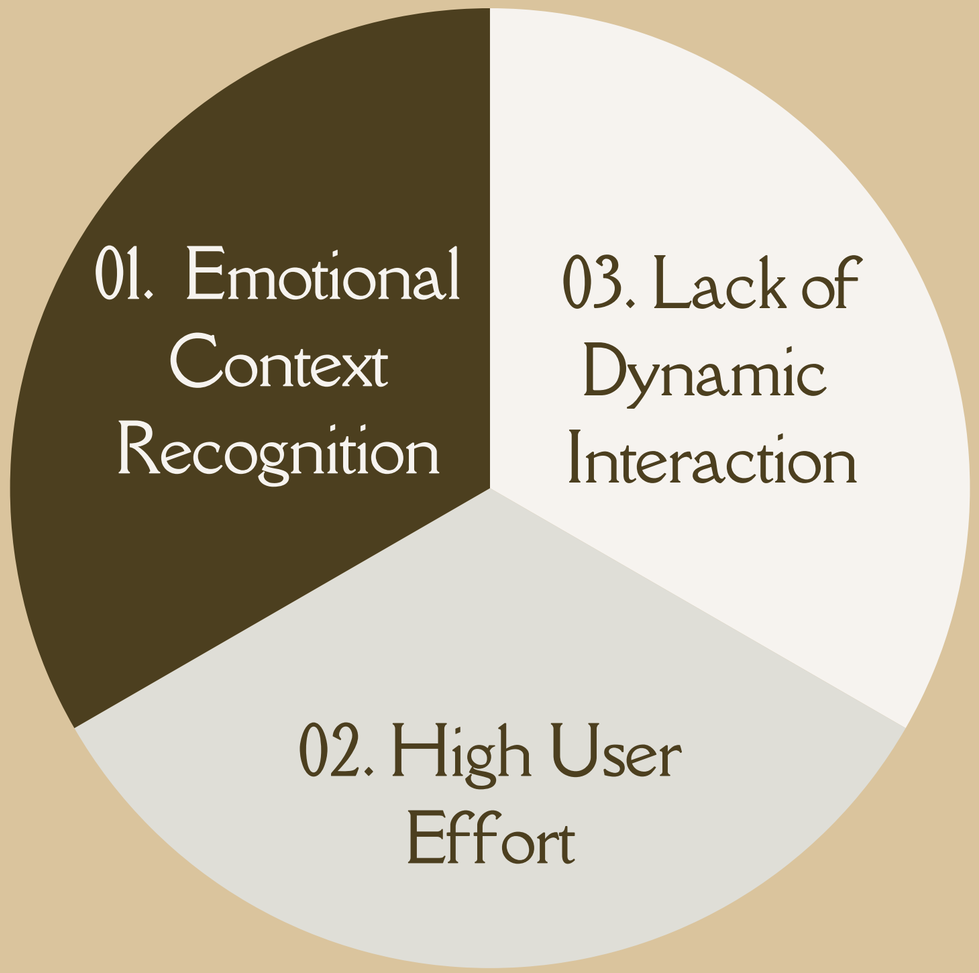
01 Mood Categorization

02 Playlist Curation

03 User Engagement

04 Custom Search

EXISTING SYSTEM



KEY FEATURES

Mood Input
Through Text

Integration with YouTube
for Music Playback

Dynamic Playlist
Generation

Mood Transition
Playlists

KEY FEATURES

Customizable Playlists

Manual Search Option

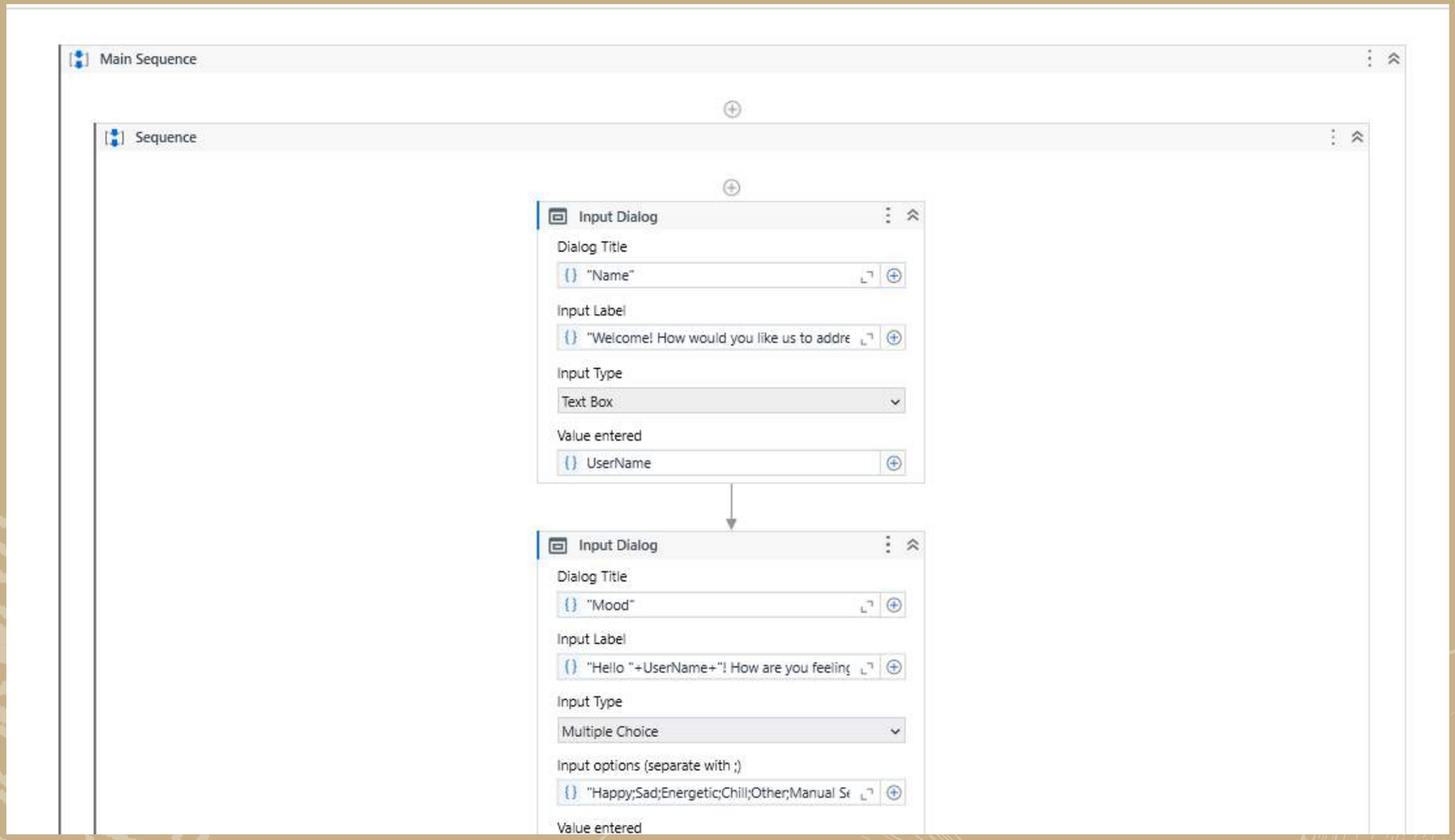
Pre-Allocated Mood Playlsits

Automated Workflow

FUTURE ENHANCEMENTS

- Automated Emotion Detection
- Advanced Text Based Emotion Analysis
- Mood Transition Recommendations
- Visual Enhancement

SAMPLE WORKFLOW



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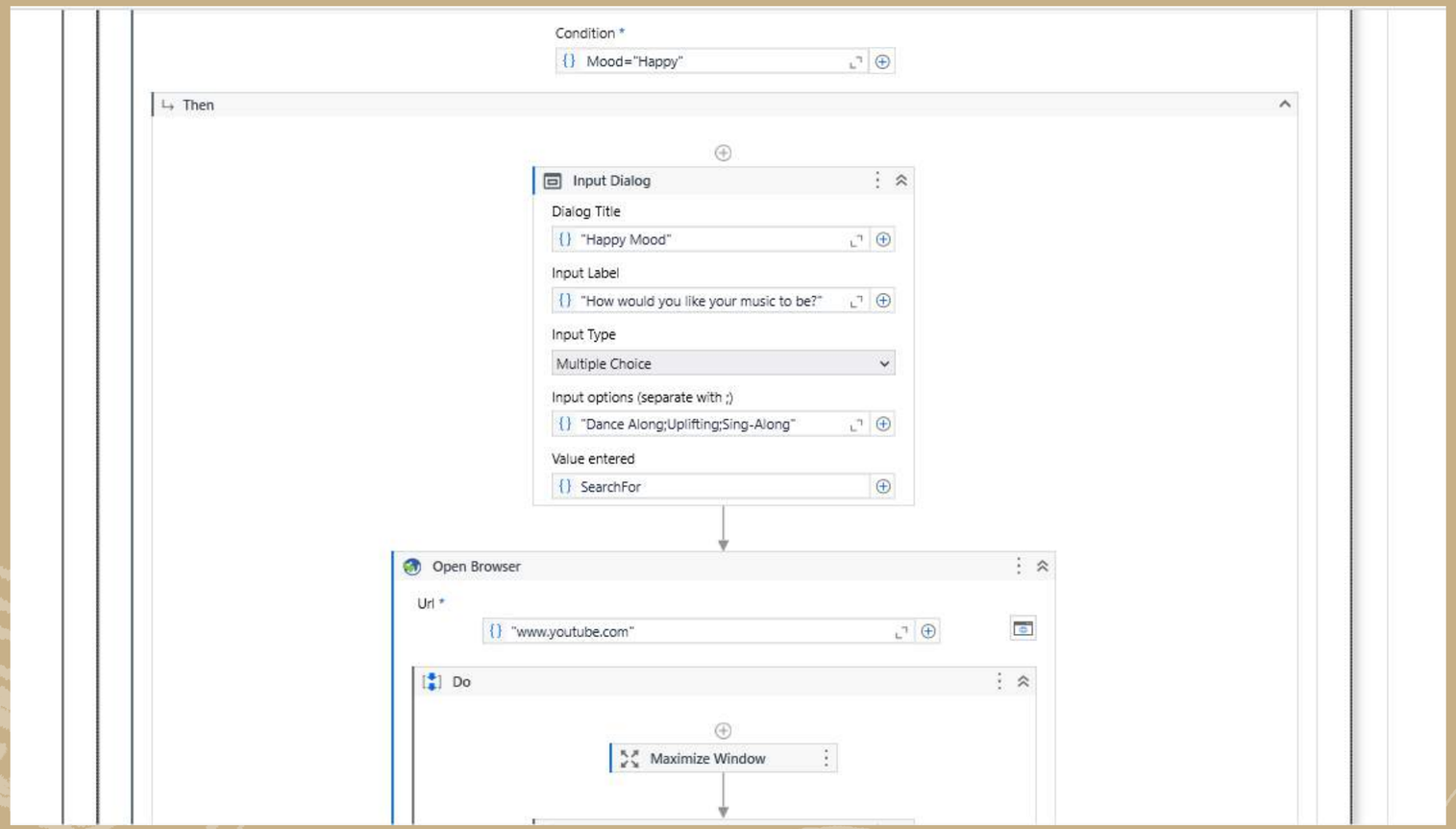

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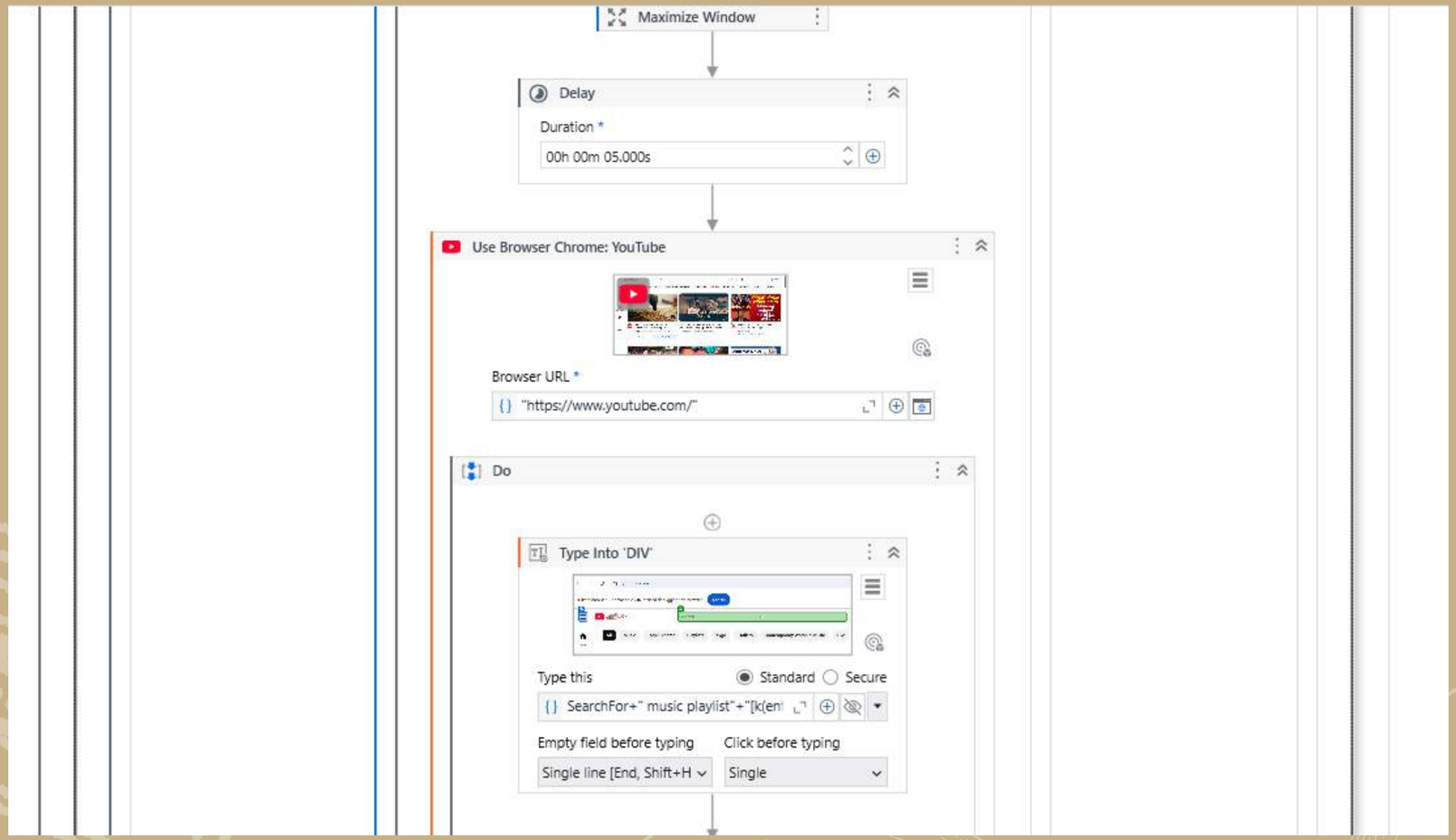

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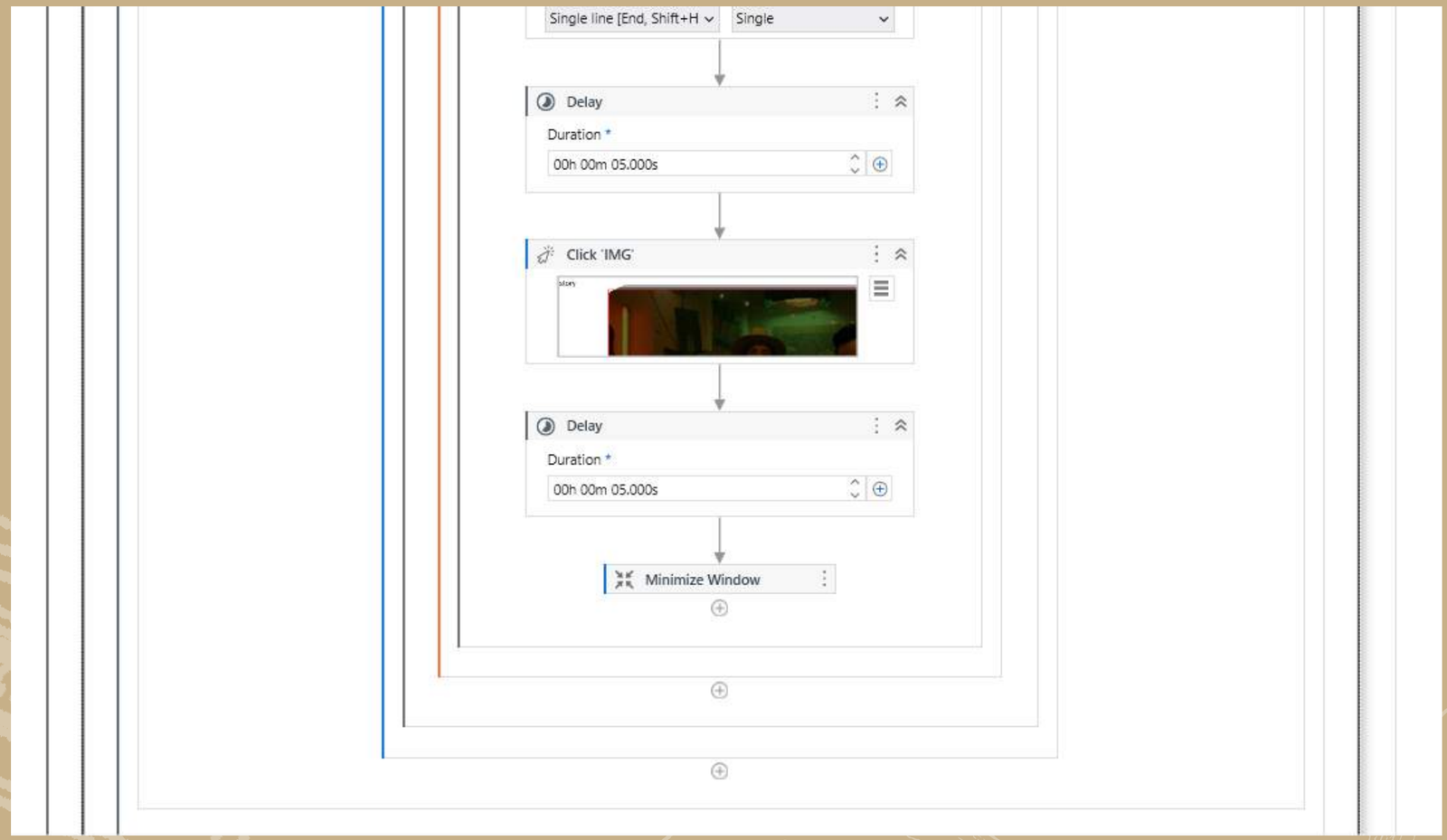

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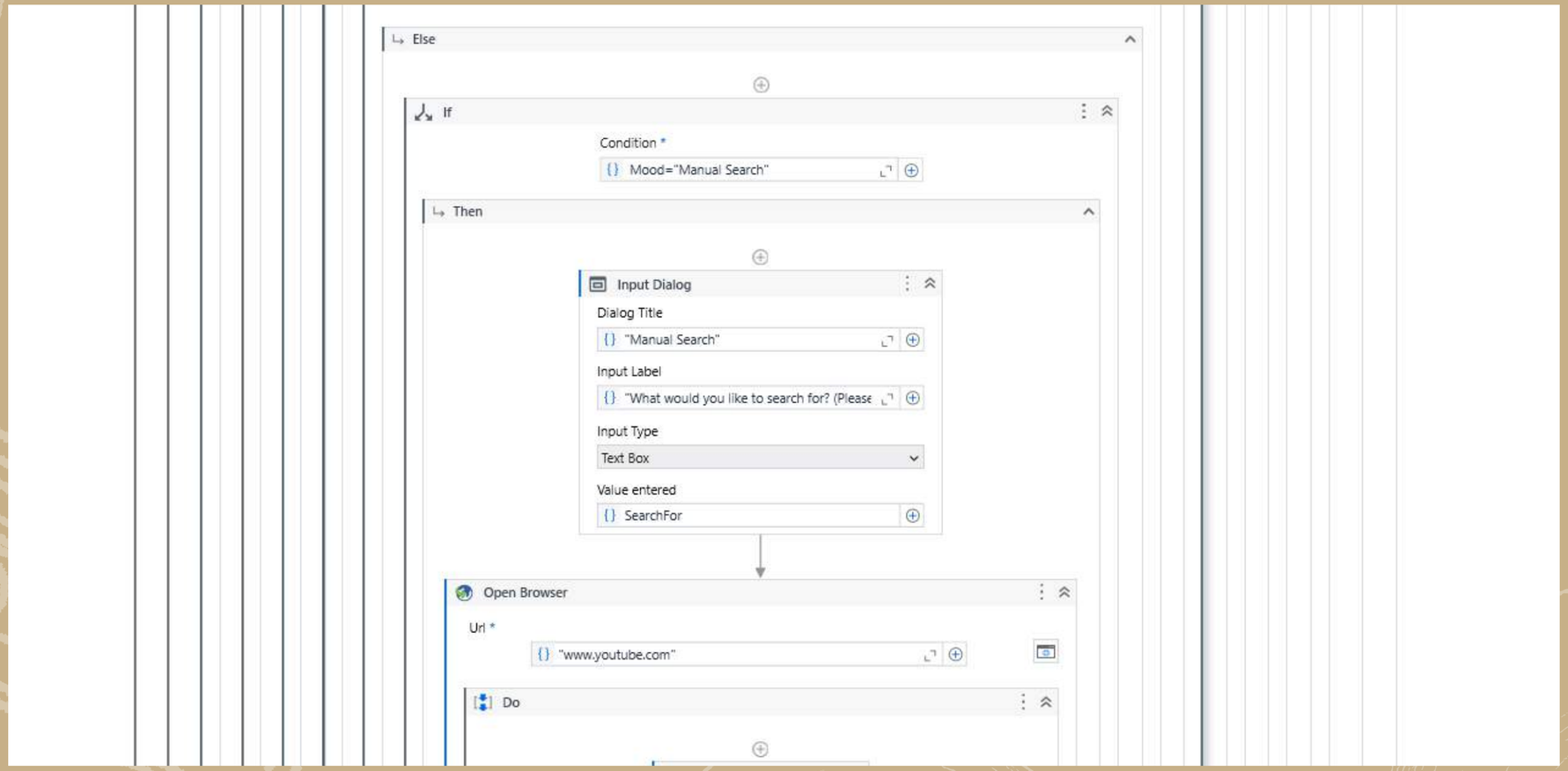

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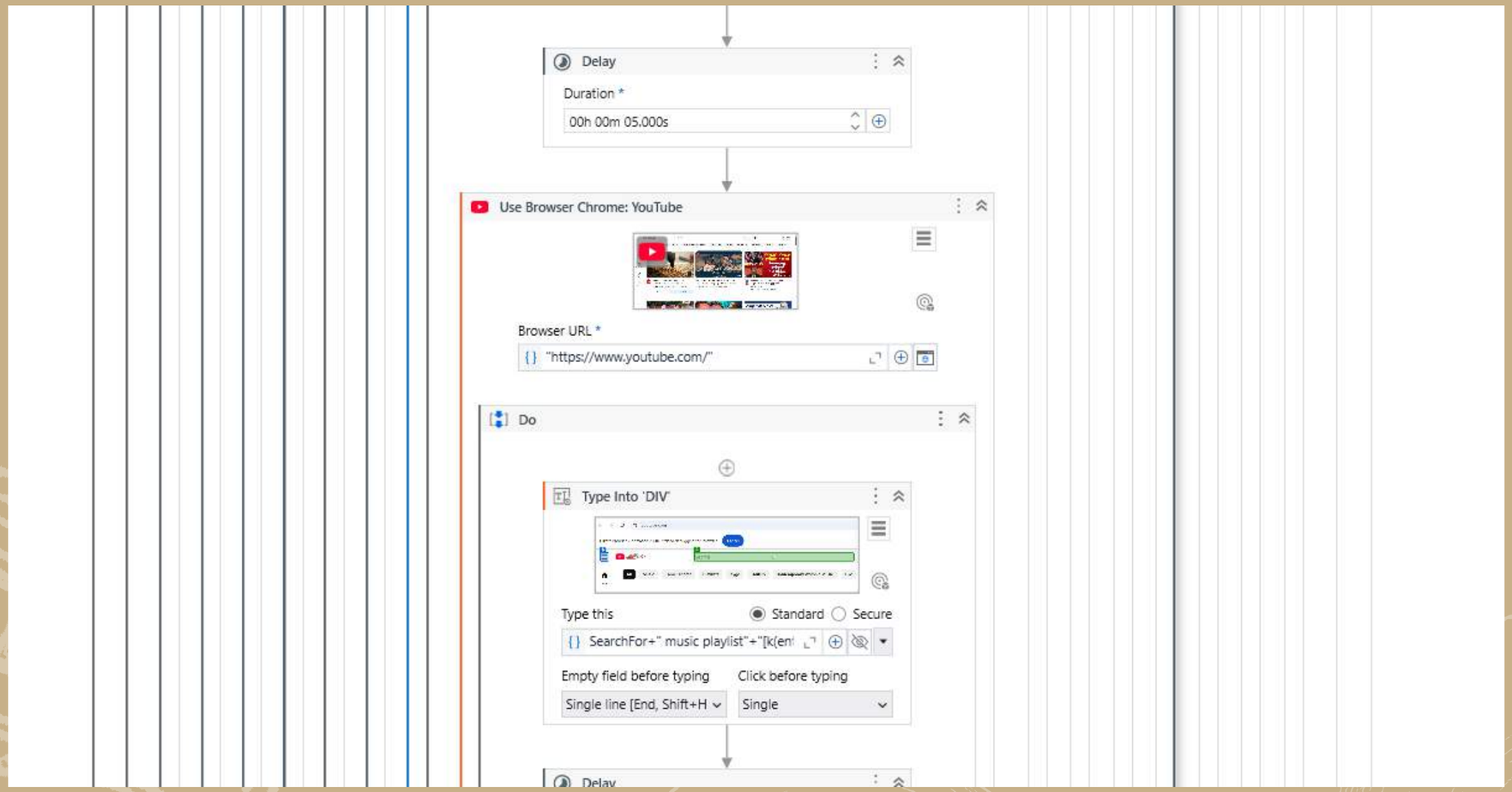

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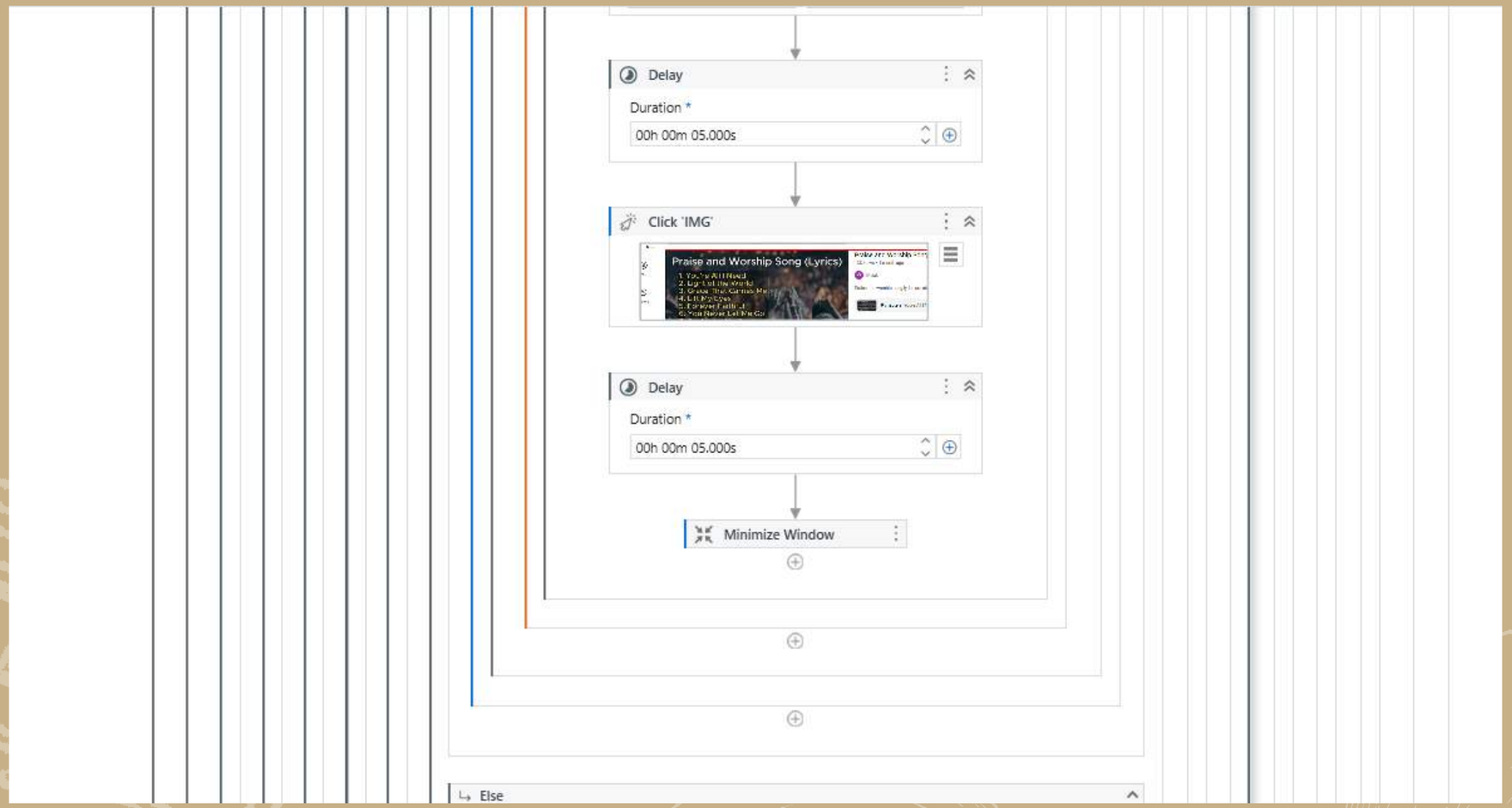

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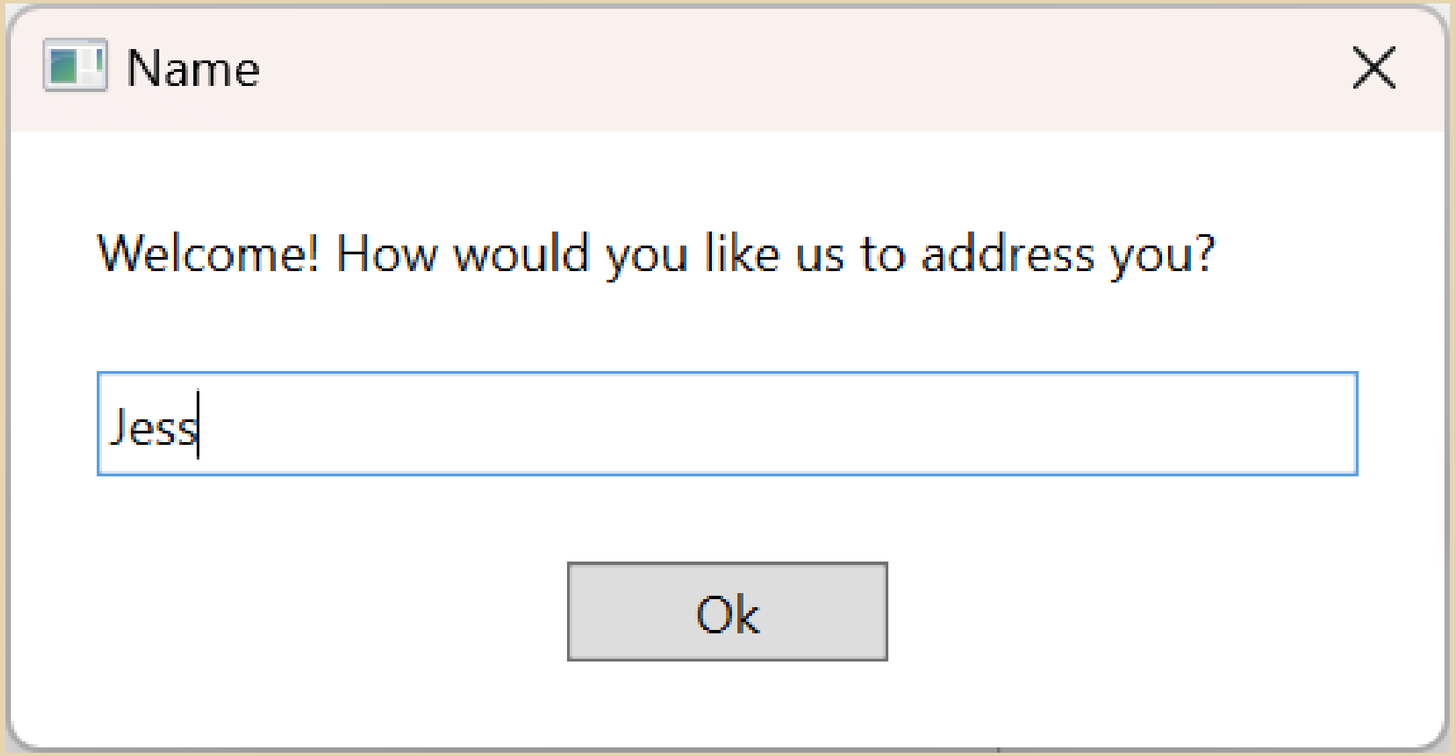

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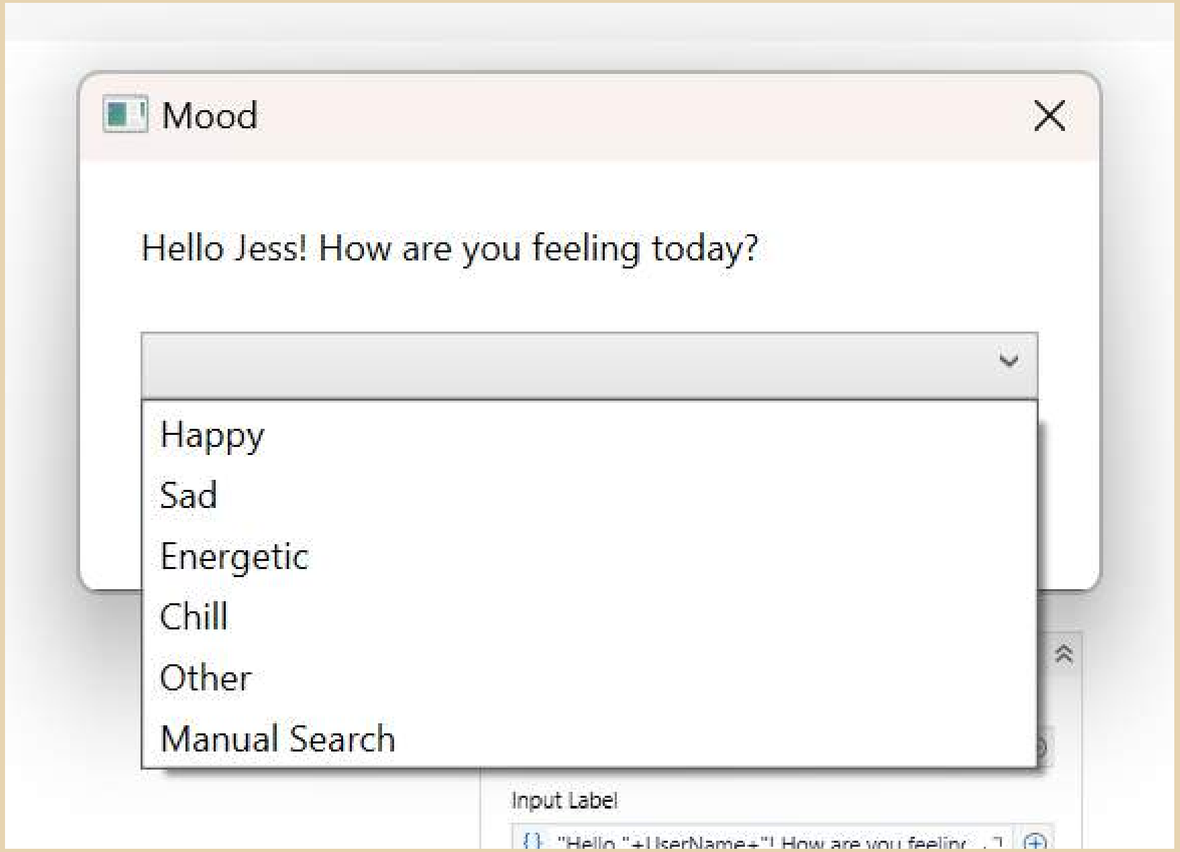

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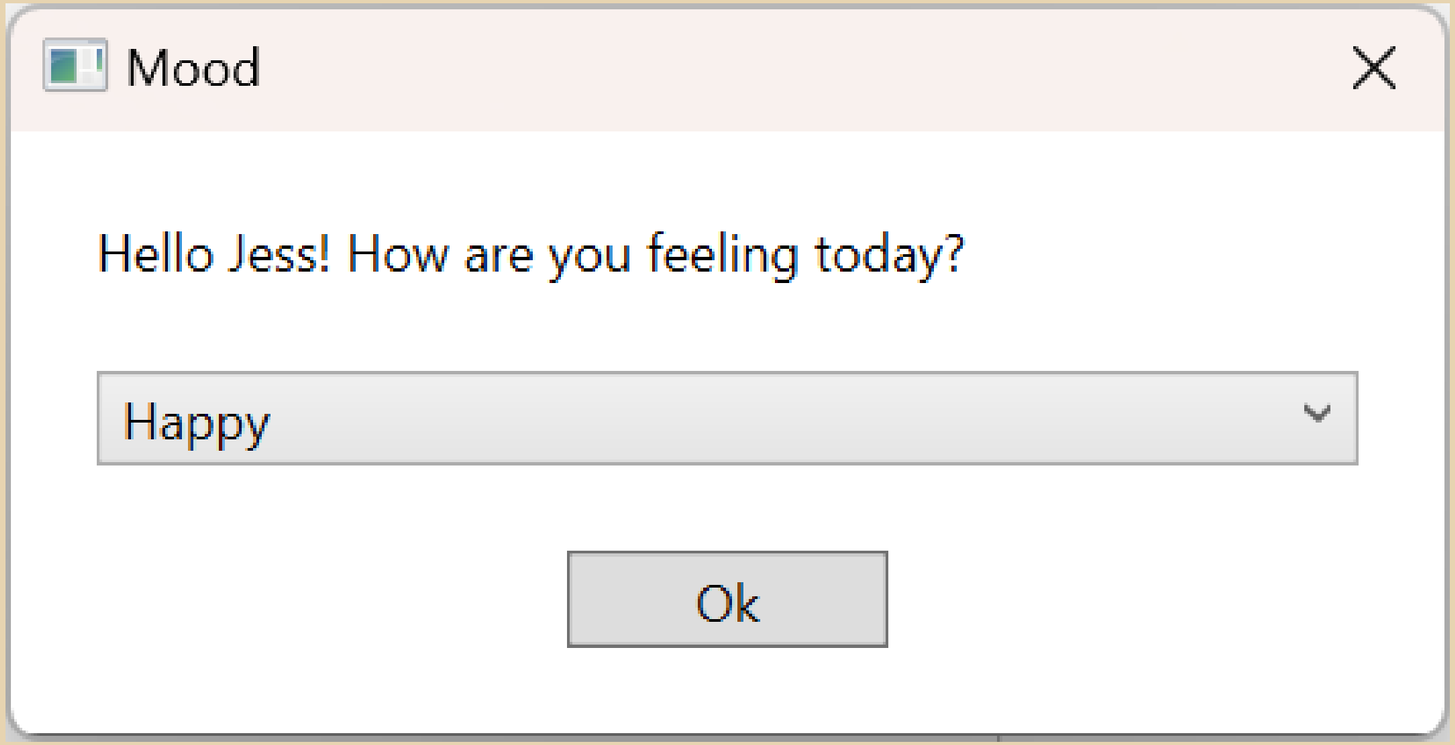

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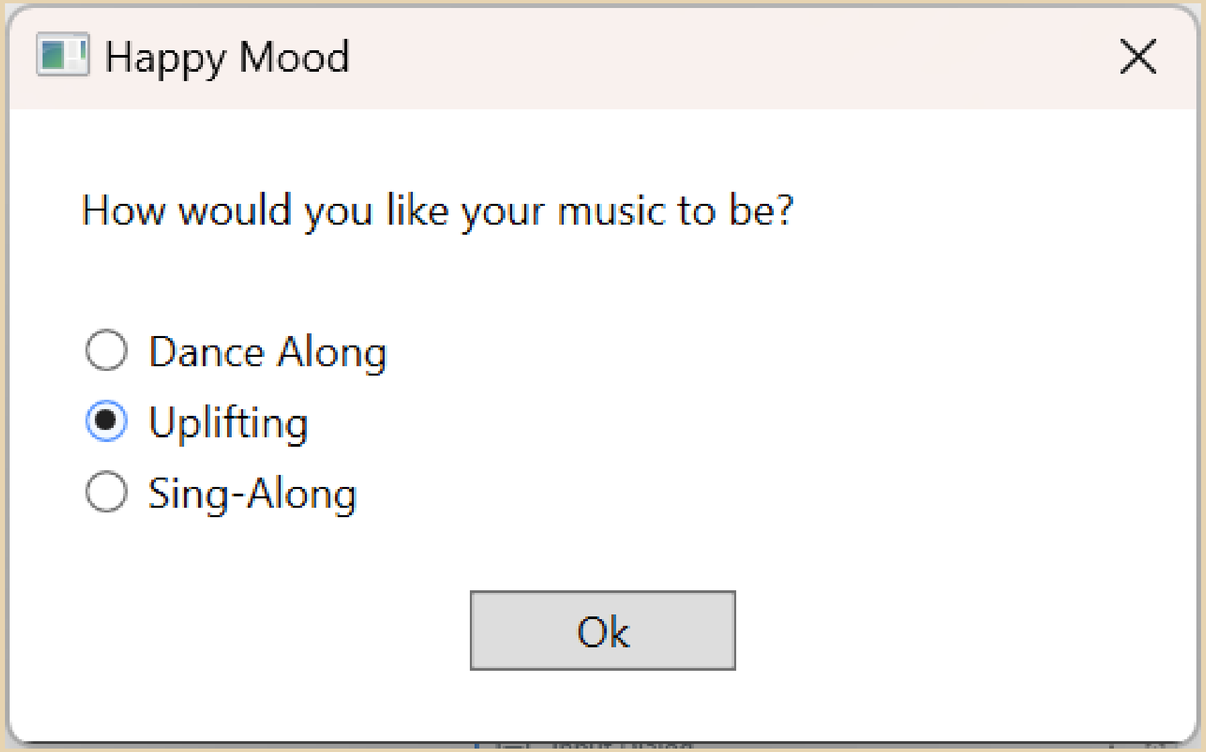

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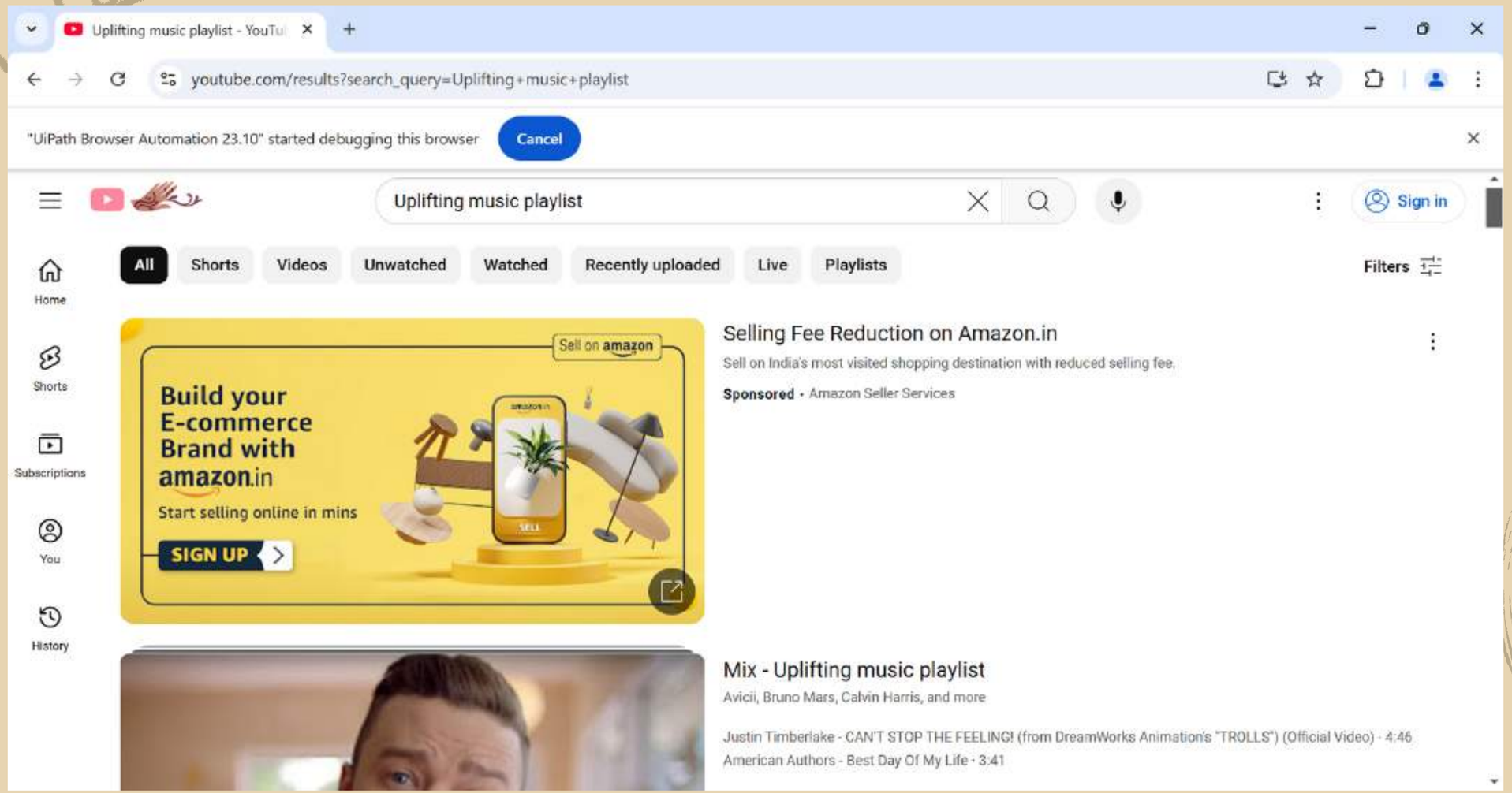

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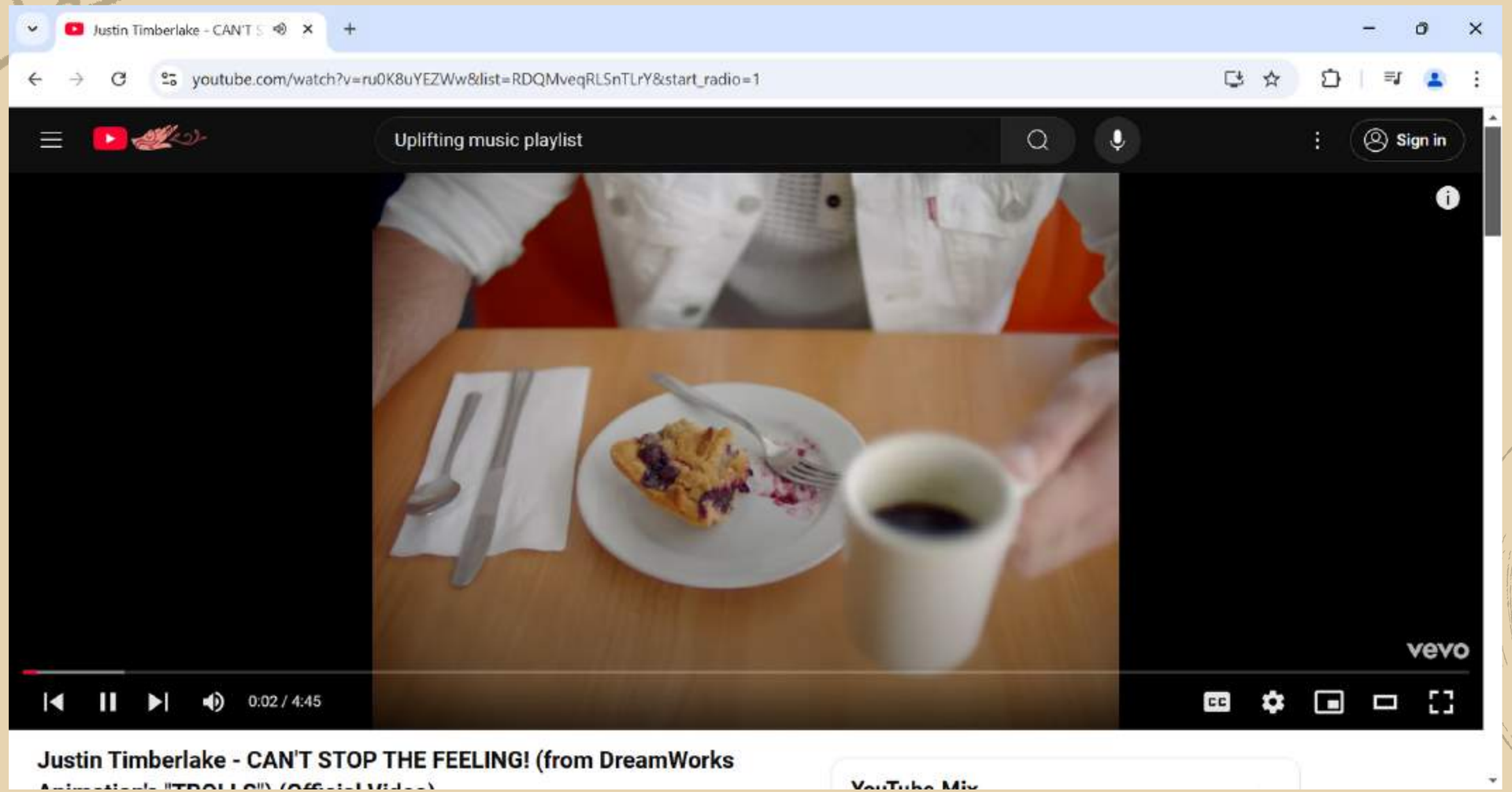
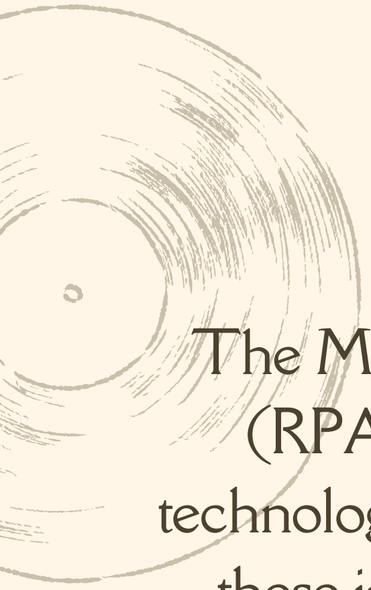
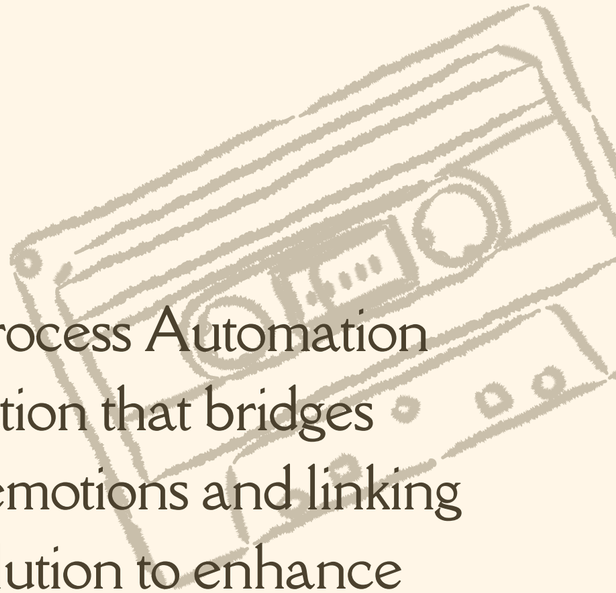


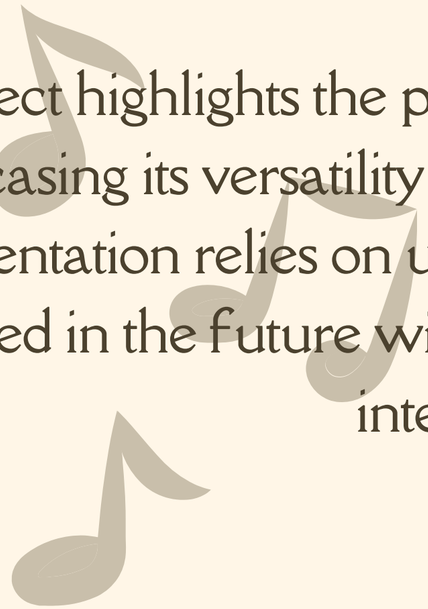
CONCLUSION

The Mood-Based Music Player successfully demonstrates how Robotic Process Automation (RPA) can be leveraged to create an engaging and personalized application that bridges technology with emotional well-being. By enabling users to self-report their emotions and linking these inputs to curated playlists, the system offers a simple yet effective solution to enhance users' moods through music.

This project highlights the potential of UiPath as a tool beyond traditional automation tasks, showcasing its versatility in creative and user-centric applications. While the current implementation relies on user-reported inputs, the foundation laid by this version can be expanded in the future with advanced features such as automated mood detection and integration with music streaming services.







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