**Read Me**

**Project Overview**

This project is a conversational agent built for the Furhat Robotics platform. It uses Kotlin to create an interactive experience that allows users to specify preferences and receive suggestions for interior design, such as wall finishes and colors. The agent engages users in conversation to understand their preferences, provides customized suggestions, and captures user feedback for improvement.

**1) Installation of Furhat sdk**

1. Install the furhat SDK from <https://furhat.io/login>
2. Login into the furhat and get Token and paste it in furhat sdk launcher.
3. Then launch the virtual furhat.

**2) Importing the project**

1. Extract the project files.
2. Open the extracted folder in the Intellij Community edition.
3. Wait till all the gradle files get loaded.
4. In the project folder go to "C:\Users\PNW\_checkout\AppData\Local\Programs\furhat-sdk-desktop-launcher\InteriorDesignBot\src\main\kotlin\furhatos\app\jokebot\main.kt" and run the file.
5. Make sure before running the main.kt file virtual furhat sdk is launched.
6. Corresponding user file paths need to be added in the code project file at the appropriate place

**3) Now we can interact with Furhat.**

The project contains the following key Kotlin files:

1. main.kt: This file contains the main dialogue flow for the conversation. It initializes the agent and manages states such as user greeting, preference collection, suggestion provision, and feedback.

2. init.kt: This file handles the initialization of key variables, such as finishType, colorPreference, and suggestionRating. It also includes basic setup information, such as setting default interaction settings and loading resources like suggestion categories.

3. start.kt: This file defines the starting point of the dialogue, including states that greet the user, gather basic information, and guide them into making choices for the room finish and design.

Key Features

- Interactive User Experience: The Furhat robot interacts with users to gather preferences for interior wall finishes and colors.

- Suggestion Engine: Based on user input, the robot provides suggestions for various finish types, such as paint, wallpaper, wood paneling, or art and decor.

- User Feedback: After providing suggestions, the robot requests ratings on the provided suggestion and overall interaction, logging this data for further analysis.