

PATHWAYS PROJECT SCOPE STATEMENT

Project Title: Bot (Assistant) **Date Prepared:** 8/11/2023

Product Scope Description

A user friendly Voice-Activated Assistant designed for seamless user interaction through voice and text commands. It seamlessly integrates with internet of things (IoT) Devices & Smart Devices, empowering users to control their surroundings effortlessly. Our Voice-Activated Assistant with IoT Integration simplifies user interactions and transforms the user experience by offering seamless control and intelligence in engaging with their environment. It performs specific commands as the user desires.

Project Deliverables

- **Deployable Voice Assistant Application:**
A functional application for voice interaction, deployable on major platforms such as Windows, macOS, Android, and iOS.
- **Seamless IoT Integration:**
Integration module enabling effortless communication with a variety of IoT devices, compatible with popular smart home platforms.
- **Security-Enhanced User Experience:**
Implementation of robust security features, including encryption protocols, to ensure the privacy and protection of user data during voice interactions

Project Acceptance Criteria

- **Functionality and Integration:**
The voice-activated assistant must effectively recognize and execute predefined commands.
Seamless integration with a minimum of three different Smart or IoT devices, showcasing compatibility.
- **Cross-platform compatibility:** The app should work consistently across major platforms, including Windows, macOS, Android, and iOS.
- **Security and Privacy:**
Implementation of robust security features, including encryption protocols, to safeguard voice and command data.
Adherence to industry standards and best practices for data protection.

Project Exclusions

- **IoT Device Manufacturing:**
Manufacturing of IoT devices or any physical product associated with smart home integration is not within the project scope.
- **Hardware Development:**
The project excludes the development of any physical hardware components for voice recognition or IoT device control.
- **Network Infrastructure Development:** The project does not involve the development or restructuring of network infrastructure to support IoT device communication.

Project Constraints

- **Budget and Timeline:** Limited by a predefined budget and timeframe for development.
- **Language Support:** Constrained by the supported languages for voice recognition.
- **Security Compliance:** Adherence to strict security and privacy standards may result in restrictions.