

Bank of Baroda Hackathon - 2022

Your Team Name : Techyguys

Your team bio : Virtual assistance

Date :20/09/2022



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VIRTUAL ASSISTANCE

FOR BANK PURPOSES

PROBLEM STATEMENT

- To make it easier for the people who access the Bank's Website.
- To reduce unnecessary visit to the branch.
- To fulfill the customers satisfaction about the completion of their required process.
- To provide step by step instruction in an interactive manner.

USER SEGMENT & PAIN POINTS

- **People who are unaware of the banking process**
- **Banks which wish to reduce the physical interaction with customers**
- **Bank's website developers who intend to give a clear assistance to site visitors**

PRE-REQUISITE

Libraries which are required for importing

- Python-text to speech(*pyttsx3*)-version3
- Web browsers-(*google*)
- NLP-Natural language processing(tool kit),
- For audio (*pyaudio*)
- Operating system (*os*)

AZURE TOOLS OR RESOURES :

- **PYTHON HIGH-LEVEL PROGRAMMING LANGUAGE**
- **INSTALLING & IMPORTING NECESSARY LIBRARIES & MODULES**
 - **PYTTSX3**
 - **SPEECH RECOGNITION**
 - **WIKIPEDIA**
- **METHODS USED FOR VIRTUAL ASSISTANCE**
 - **SPEAK METHOD**
 - **TAKE QUERY METHOD**
 - **TAKE COMMAND METHOD**
 - **TELL TIME METHOD**
 - **HELLO METHOD**
 - **MAIN METHOD**

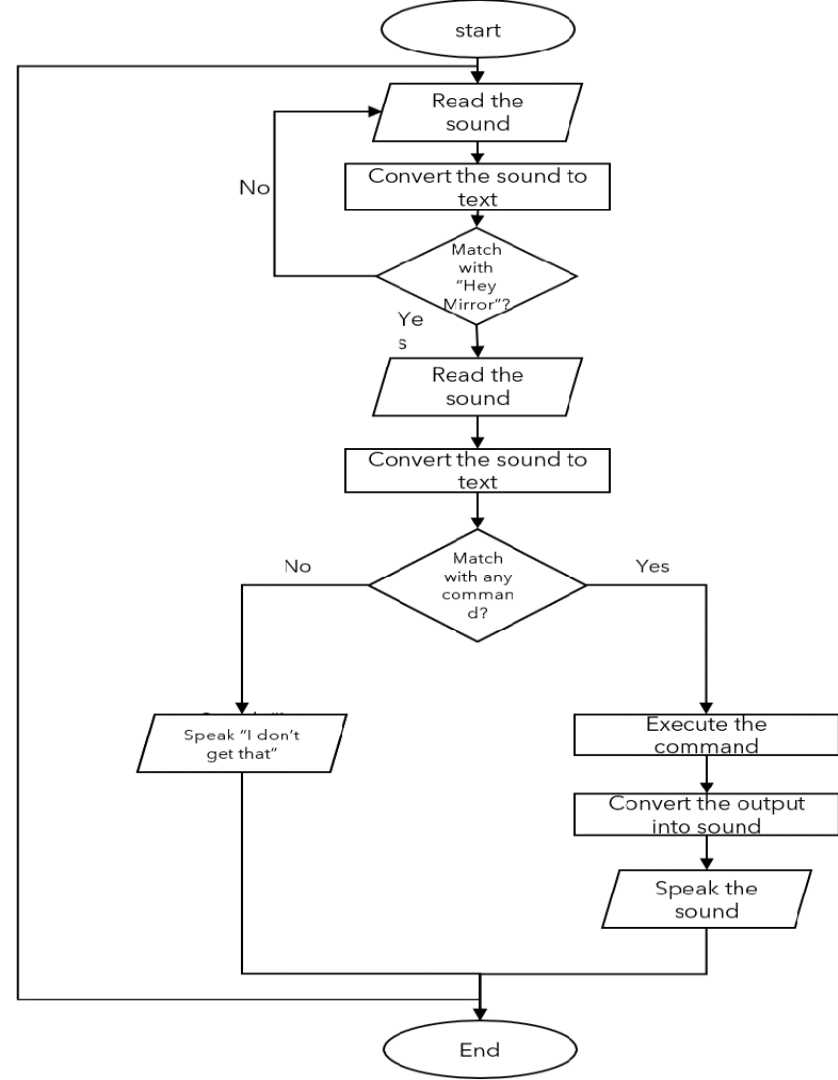
KEY DIFFERENTIATORS & ADOPTION PLAN

- **Provide virtual assistance**
- **Possess high sensibility**
- **Reduce the human exposure**
- **Easily accessible**
- **Voice recognition**
- **Highly interactive**
- **Easily navigate towards the process**
- **Provide knowledge in accessing**

**GITHUB REPOSITORY LINK &
SUPPORTING
DIAGRAM,SCREENSHOTS,IF ANY**

GITHUB REPOSITORY LINK :
<https://github.com/TECHYGUYS>

Flow chart for Voice Assistant Process



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Thank You

Team member names

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Team mentors

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