

Personal Audio Book Desktop App

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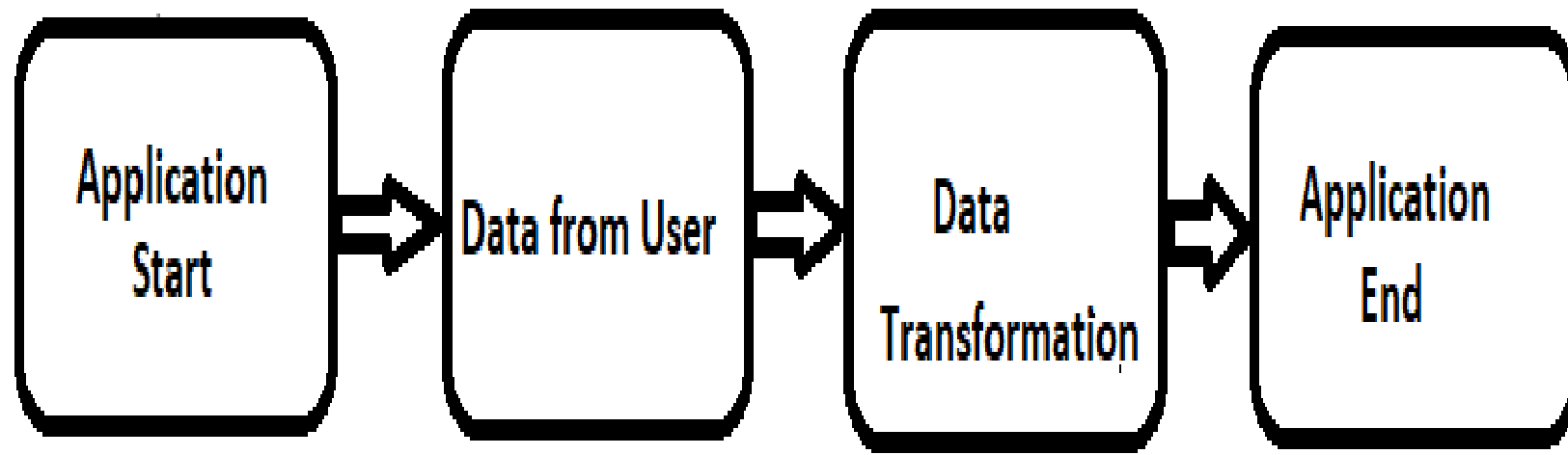
Objective:

Due to the busy lifestyle even for the people who loves books, finding the opportunity to read books can be a challenge. This work discusses the implementation of the a fully automatic desktop app for personal audio book system, where the main objective is to allow user to upload any book of his choice in pdf format and after uploading the book it convert the pdf text to speech.

Benefits:

- Model good interpretive reading
- Introduce new vocabulary or difficult proper names or locales
- Teach critical listening
- Audiobooks Offer Equal Access to Learning
- Useful for Blinds

Architecture:



Data from User:

Here we will collect data from user such as books that user wants to read in pdf formats. Listening to audiobooks can help bridge the gap between decoding words and assigning meaning. Receiving information both visually and audibly reinforces word recognition, improves fluency, builds vocabulary and supports the development of comprehension skills. So that user gets book in audio format.

Data Transformation:

In the Transformation Process, we will convert our original data which is in pdf format to audible Format. And after that user can listen to the book.

Tools used:

- Pycharm is an IDE (integrated development environment) specifically designed for python programming language.
- Tkinter is a framework which provides python users with a simple way of creating GUI.
- Pyttsx3 - It is a Python library for Text to Speech. It has many functions which will help the machine to communicate with us. It will help the machine to speak to us
- PyPDF2 - It will help with the text from the PDF and is capable of extracting document information.

Q & A:

- Que1: What's the source of data?
- Any book which user wants to convert into audio
- Que2: What was the type of data?
- We require only books which are in pdf (portable document format) format.
- Que3: What is the complete flow you followed in this project?
- Refer slide 3rd for better understanding
- Que4: What is your future objective?
- Personal audiobooks can be added with more use cases like if user want we can display whole book on any screen as well as we can highlight the text which are pronounce by the audiobook.

Thank You