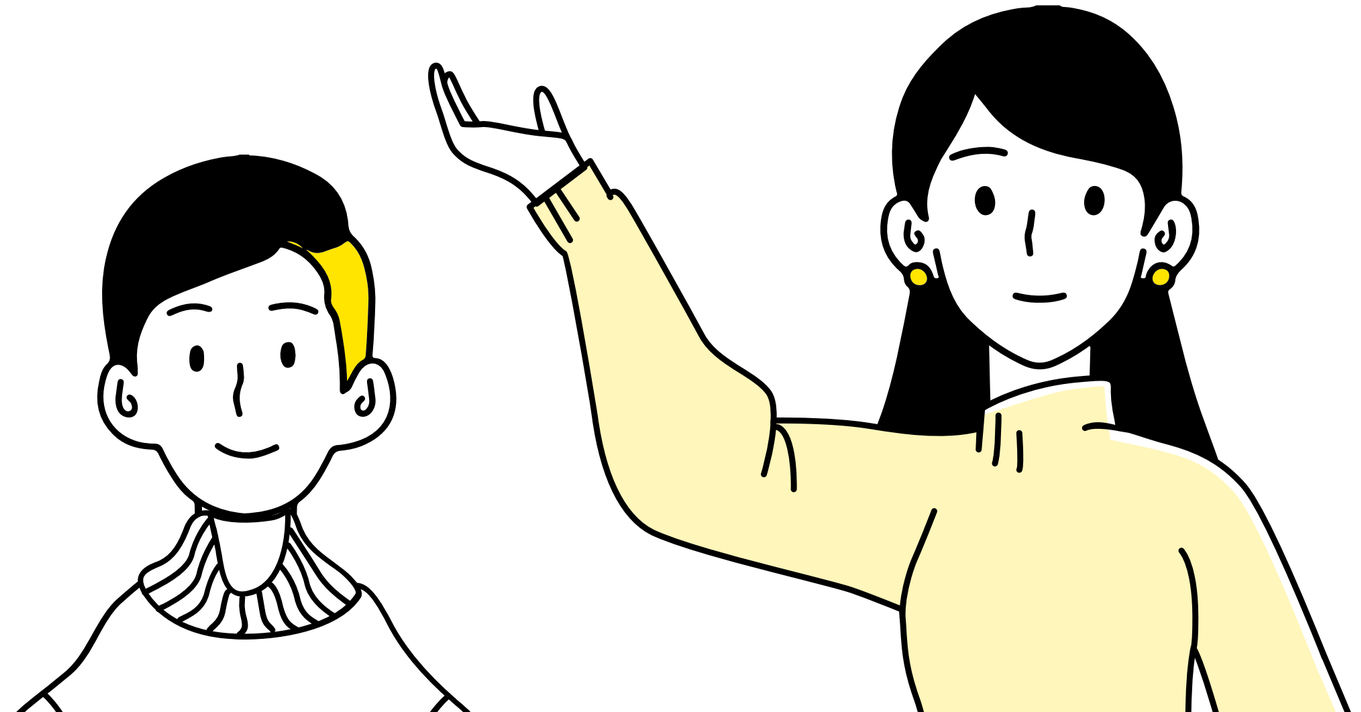
Voicely

A Digital Voice Assistant tool

Grammarly for Voice Input.



Team: The Pack

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Problem

Theme - Education

1. We can understand the English language very well while when it comes to speaking or interaction, almost 50% of us make grammatical Mistakes.

2. Doing grammatical mistakes in professional communications leads to a bad impact and ends up with low confidence of speaker.

3. Students don't have adequate resources to improve their grammatical or pronunciation **mistakes** in **real-time** while speaking.

4. There is no application which checks your verbal communication skills and corrects you or gives you feedback.

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Let's get started!

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Solution

Today you can be easily guided if you make some written mistake by applications such as Grammarly. What if you have some application having your back to ensure whatever you speak and send to anyone is also grammatically correct and pronounced correctly.

1. We present you Voicely.
2. Voicely once trains itself on your voice sample.
3. It then generates your deep cloned voice
4. Your speech is converted to text and grammatically corrected
5. Now your deep cloned voice speaks the corrected text
6. Hurray! Send the corrected speech to the receiver :)

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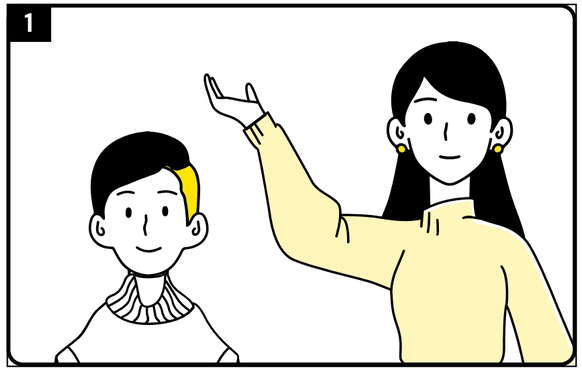
Let's understand Voicely with a story

1



John makes too many grammatical mistakes while speaking and is thus not confident while speaking and sending voice notes.

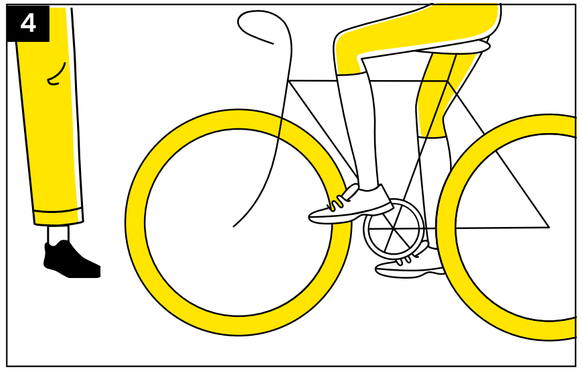
2

John is not able to convey his message correctly in voice notes and therefore his morale goes down.

3

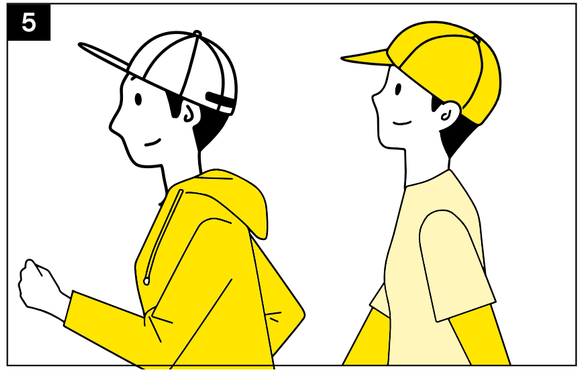
He comes across the application "voicely" . Voicely asks John to speak some sample written text on the application.

4



The high powered GPU application now trains itself to generate an exact clone of the John's voice.

5

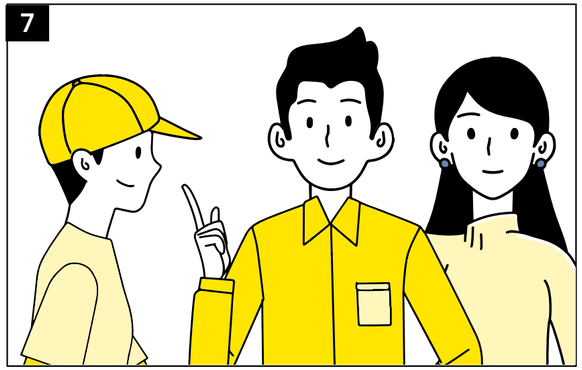


Now voicely is available as a plugin for John which he can use in any application where he needs to convey his voice message.

6

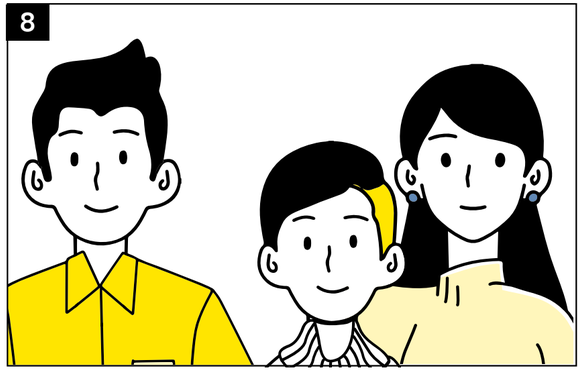
This time John's grammatical or pronunciation mistakes are all handled by voicely and thus the receiver gets a perfect voice message.

7



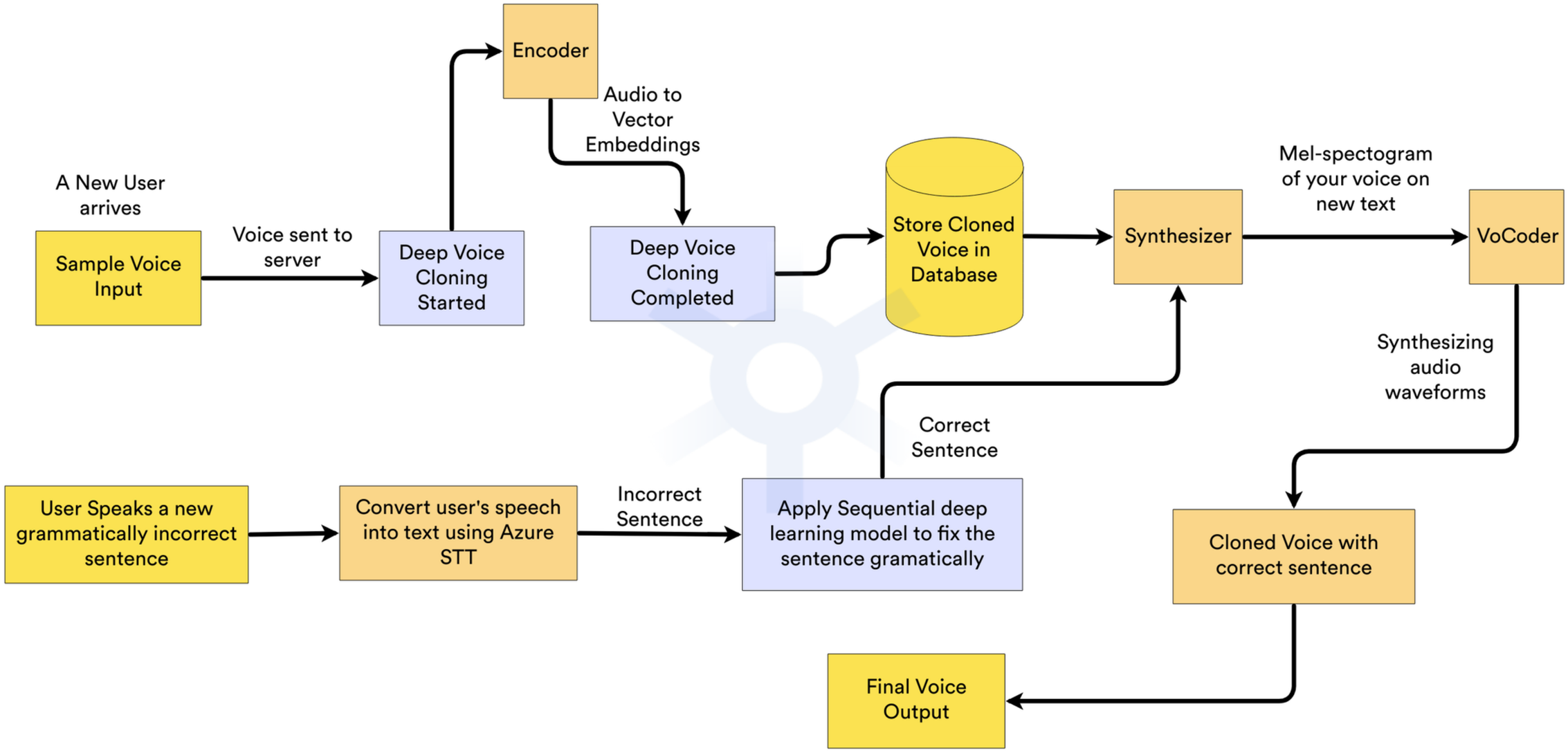
This helps John to speak freely online without giving too much attention on grammar and pronouniciation.

8



To use this product for long term, John quickly buys the premium version of the application and helps Voicely grow.

Voicely Architecture



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Tech Stack

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Frontend

Angular

Nebular Components

PWA Mobile App

Backend

JS Backend

Python Backend

Azure Cognitive Services

Deep Learning

PyTorch

Librosa

Keras

Business Model

1. Provide free subscription for limited audio on 1 min
2. Premium Subscription for long audio voice text and realtime use plugins
3. Providing weekly analysis to premium subscribed users
4. Integrating the plugin with video conferencing platforms.

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Thank you!