

TEXT READER- A FULL STACK WEBSITE THAT CONVERTS YOUR PDF FILES TO AUDIO

AN INTERIM PROJECT REPORT

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DECLARATION BY STUDENTS

We hereby declare that the work reported in the B. Tech project entitled as “**Text Reader**”, in partial fulfillment for the award of the degree of B. Tech, submitted at Jaypee University of Engineering and Technology, Guna, as per the best of our knowledge and belief, is not an infringement of Intellectual Property Rights and Copyrights. In case of any violation, we will solely be responsible.

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SUMMARY

Text Reader is an online Text to Speech converter. It lets the user upload text or document and converts it to audio so that the user can listen it anytime anywhere. We also facilitate high-quality natural-sounding voice. User can choose the document that he/she wants to listen, upload it, click play to generate the synthesized speech and enjoy listening. In today's busy life, text reader will help the users save their time as they just need to upload their document and listen it. In short, Text Reader is a well-built text to speech converter for work, on the go and visually impaired.

INTRODUCTION

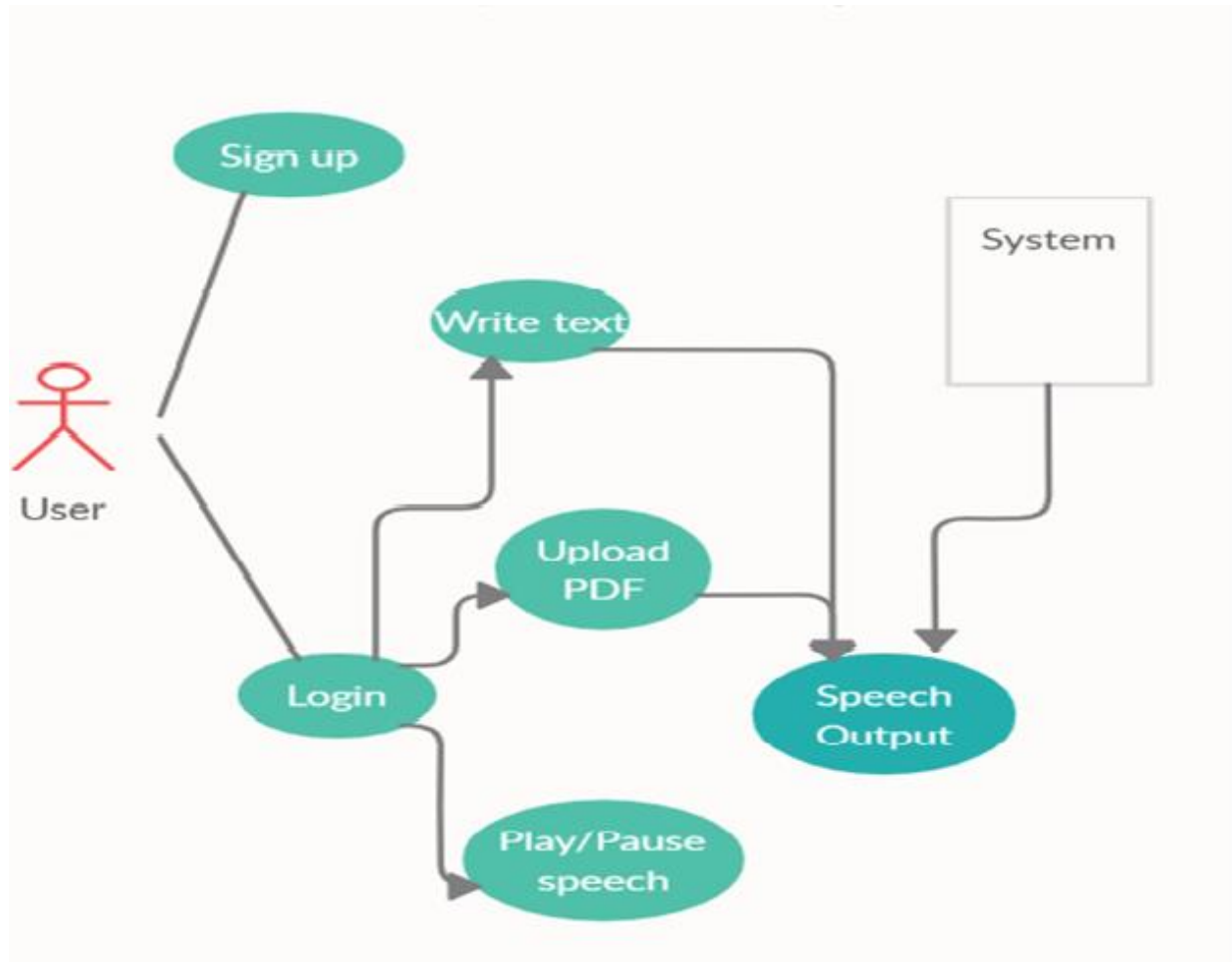
Text-to-speech synthesis -TTS - is the automatic conversion of a text into speech that resembles, as closely as possible, a native speaker of the language reading that text. Text-to speech synthesizer (TTS) is the technology which lets computer speak to you. The TTS system gets the text as the input and then a computer algorithm analyses the text, pre-processes the text and synthesizes the speech. It usually generates sound data in an audio format as the output.

It is a type of assistive technology that reads digital text aloud. It's sometimes called “read aloud” technology. With just a click, Text Reader can extract words from the text file on computer or another digital device and convert them into audio. Text Reader works with nearly every personal digital device. The website also stores all the information of the users in its database.

ADVANTAGES

1. The development of a text to speech synthesizer will be of great help to people with visual impairment.
2. Text Reader lets students both see and hear text when reading, it creates a multisensory reading experience.
3. Increases the ability to pay attention and remember information while reading
Researchers have found that the combination of seeing and hearing text when reading
4. Helps in multitasking.

USE CASE DIAGRAM



WORKING OF THE WEBSITE

Text reader is a website consisting of 5 pages built using HTML and styled using CSS and Java Script:

- The Home page consist basic information about website and has links to the other pages.
- About page gives brief introduction about the whole website.
- Contact page enable user to contact us regarding any query. They can send us email or directly type message from box.
- Sign in page takes the user to sign in into their profile and can freely use the services provided by the website.

A button on the home page that takes user to sign in page where user has to register himself/herself. The credentials entered by the user will store into SQL database through POST request and password will be stored as hash. After successful registration, user has to sign in to use the website. After entering correct credentials, server takes a POST request and using SQL query search whether details are correct or not. On success it leads to profile page otherwise user will be given another chance to sign in.

After successfully signing in, the user will be directed to the page where he/she can upload the file or document that he/she wants to convert to speech. The words of the file or document is extracted and the extracted words are converted to audio. The backend of the website is built using node.js and express.js .

REFERENCES

1. The complete web developer in 2020 by Andrei Neagoie- Udemy

Link: <https://www.udemy.com/share/101WcUAEIbeVtQQHoD/>

2. CSS tricks

Link: <https://css-tricks.com/>

3. W3schools

Link: <https://www.w3schools.com/>