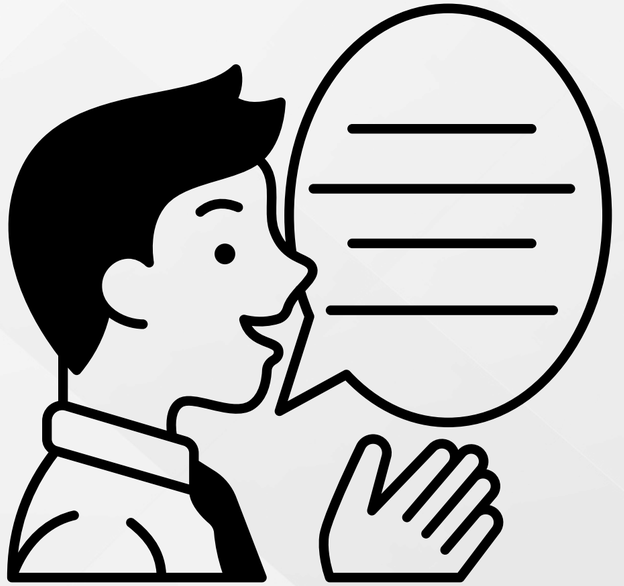
SOUND SCRIPT

VOICE TO TEXT WEB APPLICATION USING HTML JS AND CSS



SOUND_SCRIPT

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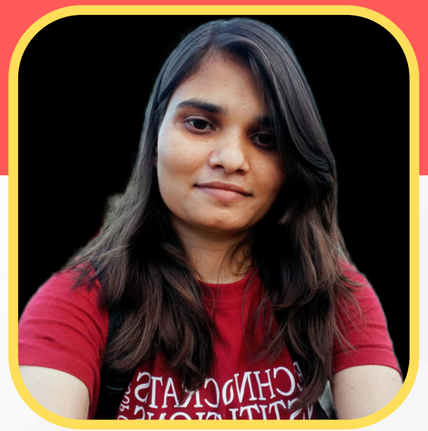

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INTRODUCTION

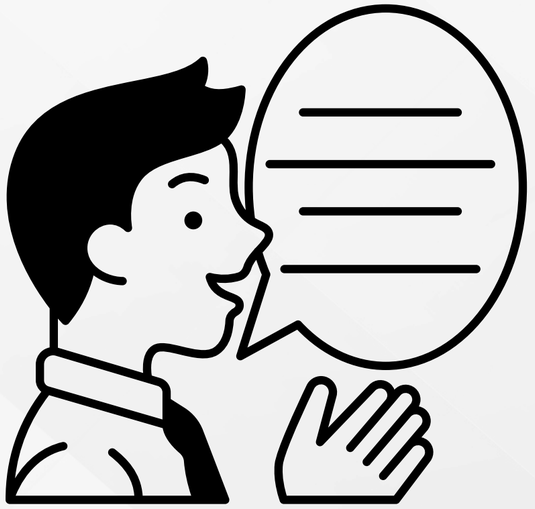
SOUNDSCRIPT

OBJECTIVE

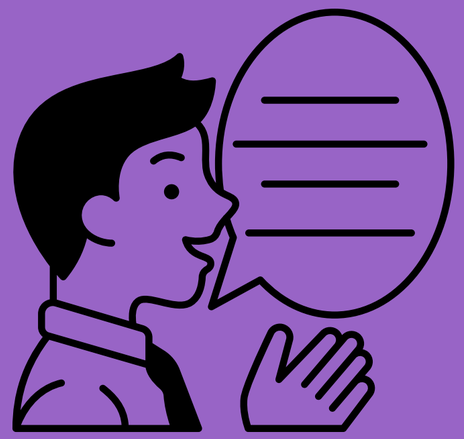
- Convert spoken language into text using web technologies.

TECHNOLOGY

- Technologies Used: HTML, CSS, JavaScript, Web Speech API.



REQUIREMENTS



FUNCTIONAL REQUIREMENTS:

- Convert speech to text.
- Support multiple languages.
- Download transcribed text.
- Clear transcribed text.

NON-FUNCTIONAL REQUIREMENTS

- Responsive Design.
- User-friendly interface.

USES

Accessibility

It aids individuals with hearing impairments by transcribing spoken words into text, making verbal communication accessible to them.

Convenience

It allows users to quickly convert speech to text, which can be useful for note-taking, creating documents, or sending messages without typing.

Productivity

It enhances productivity by allowing users to multitask, such as dictating notes while working on other tasks, thereby saving time.

Transcription

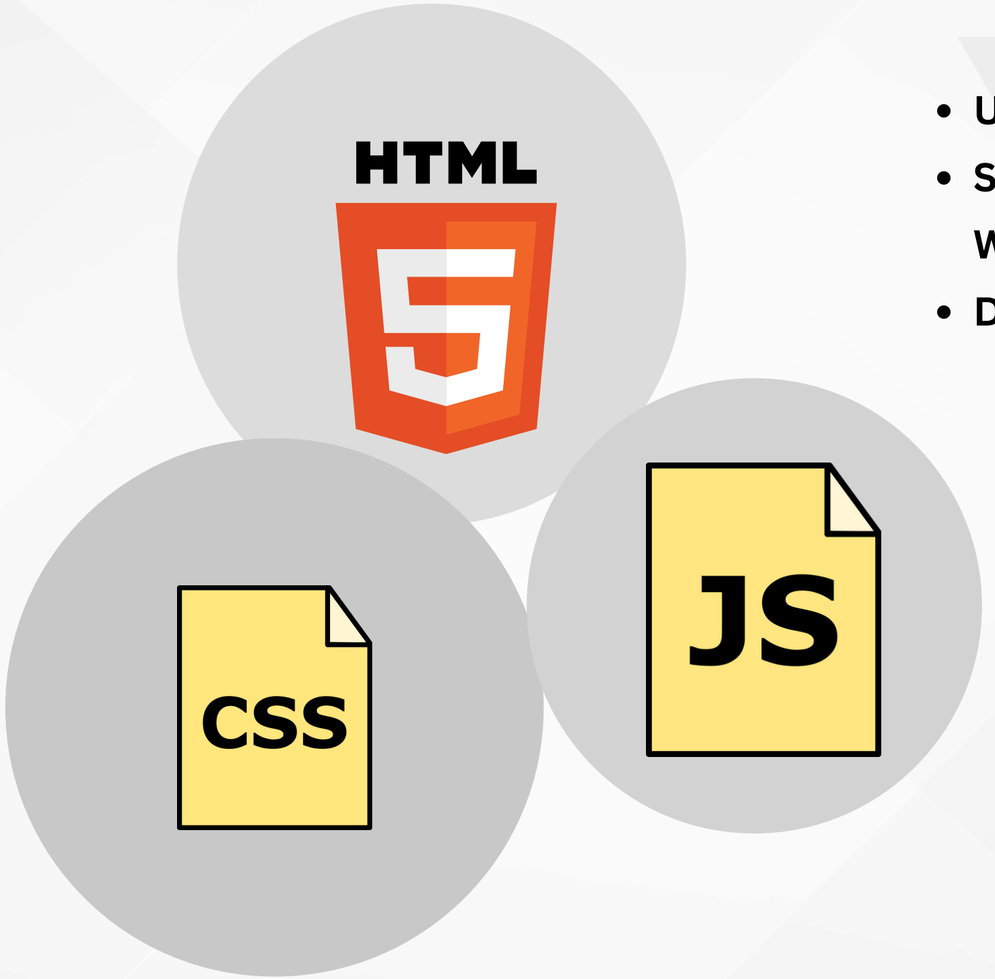
It is useful for transcribing meetings, lectures, interviews, and other spoken content into text format, which can be easily reviewed and shared.

Hands-Free Operation

It is beneficial in scenarios where typing is not feasible, such as while driving, cooking, or during other hands-busy activities.

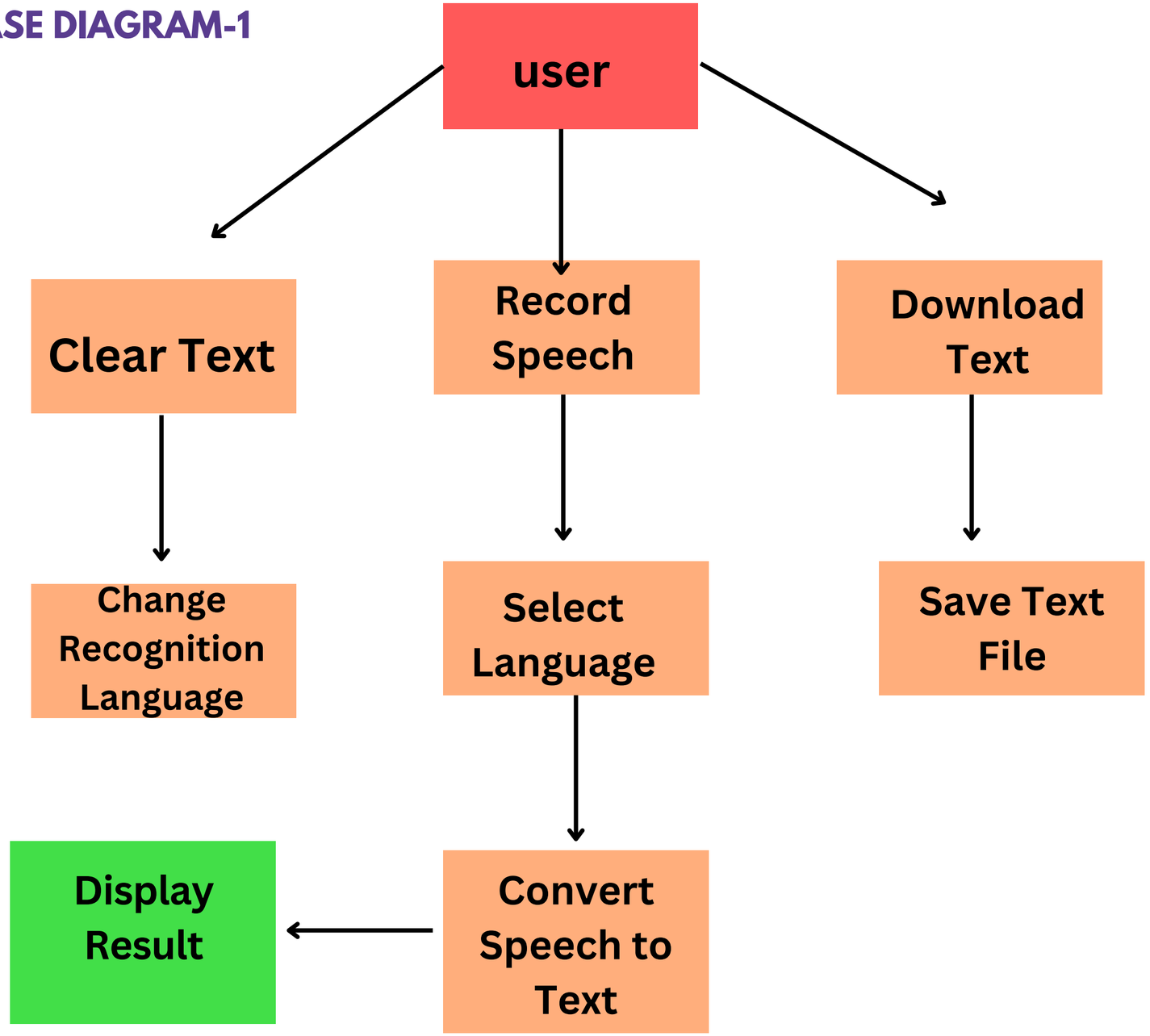
Components

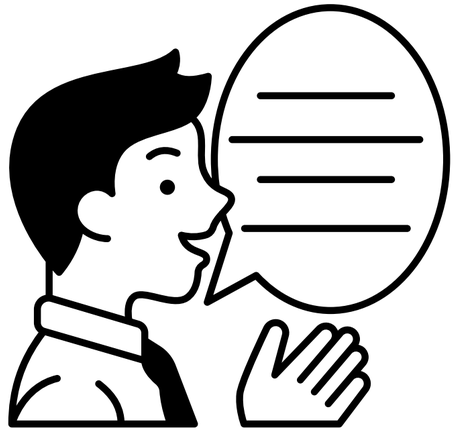
SYSTEM
DESIGN



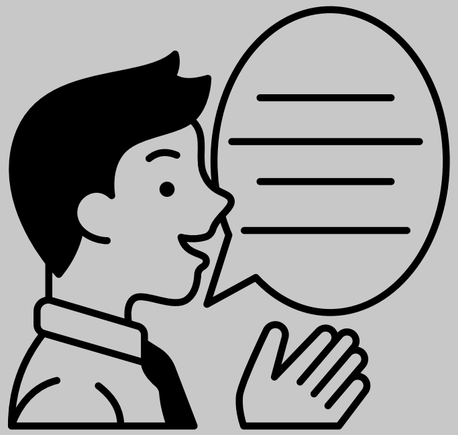
- User Interface (HTML, CSS).
- Speech Recognition (JavaScript, Web Speech API).
- Download and Clear Functionality.

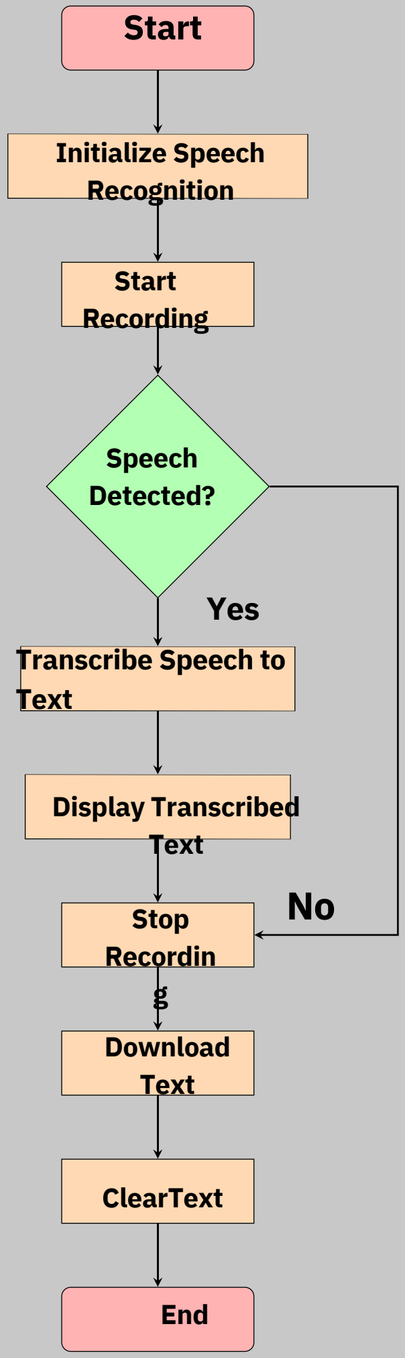
- **USE-CASE DIAGRAM-1**





- **USE-CASE DIAGRAM-2**



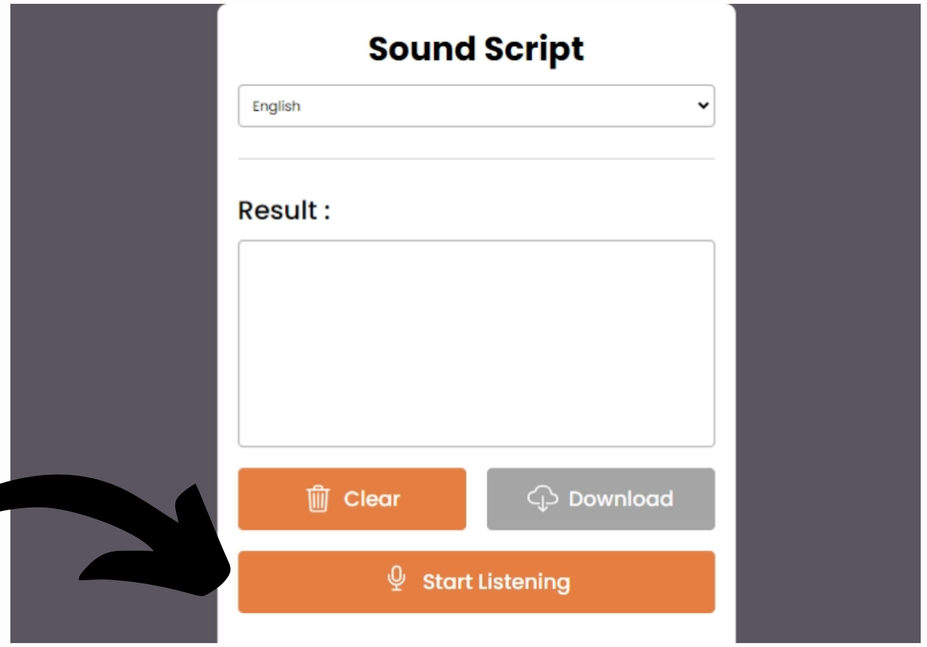


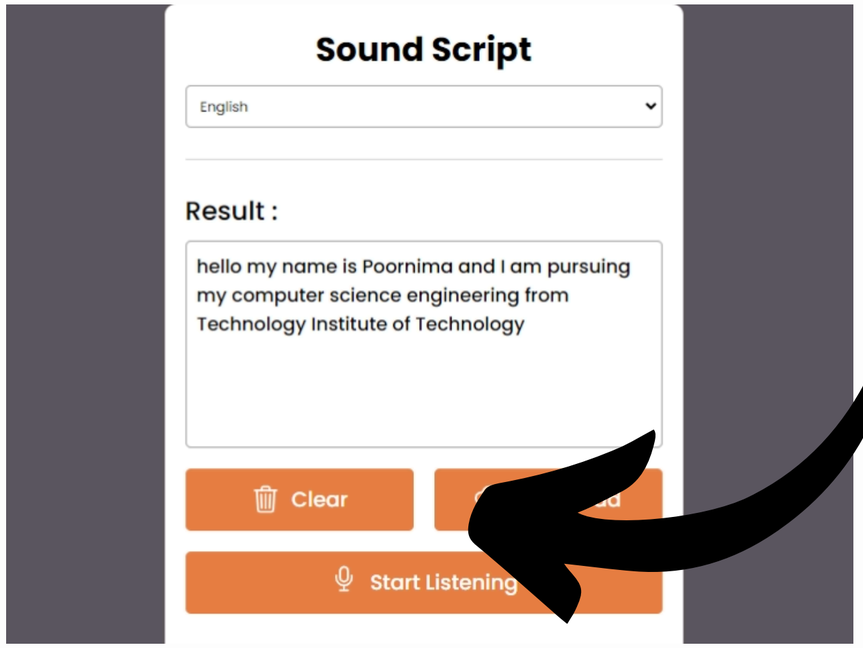
Deployment

Objectives and tasks:

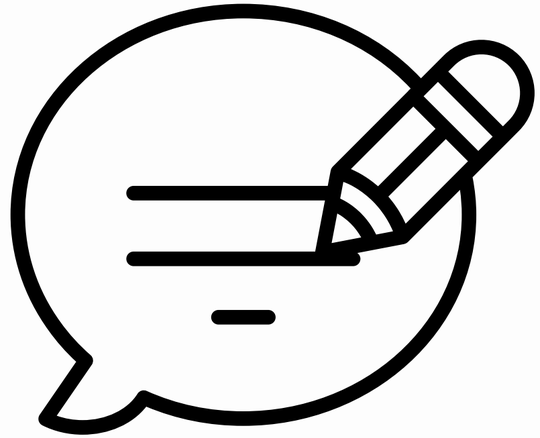
- Prepare deployment environment (servers, hosting, etc.).
- Deploy the application to a live server.
- We are using git hub for deployment.
- Ensure all services are running correctly.
- Perform final testing in the live environment.

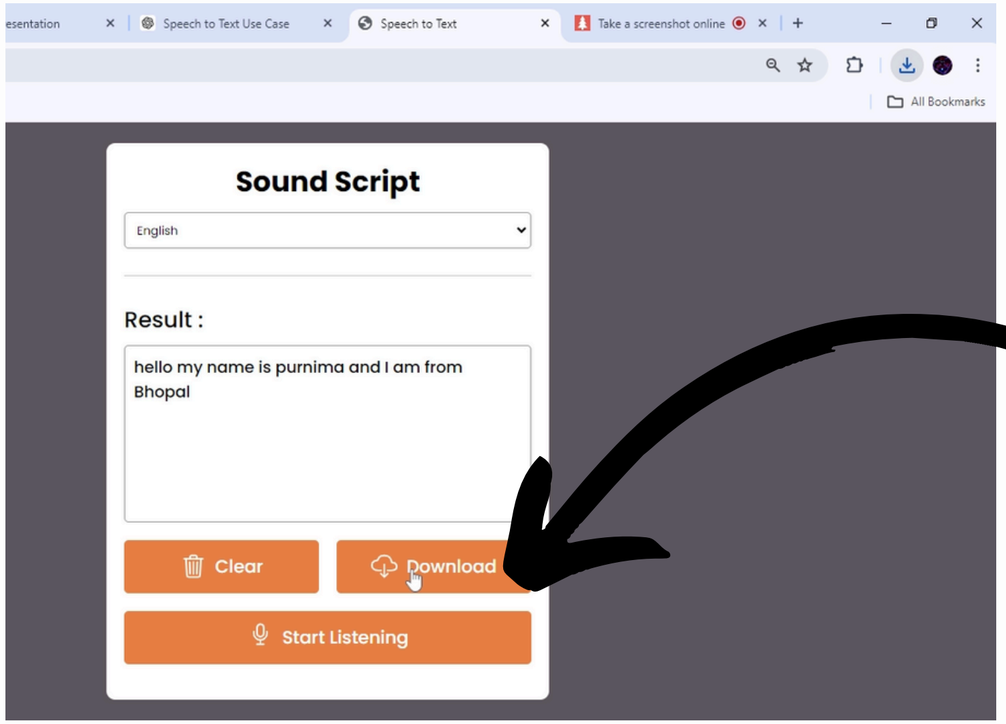
TURN ON THE START LISTENING BUTTON



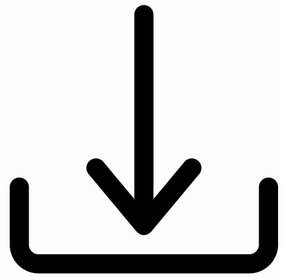


CLEAR BUTTON FOR CLEAR THE TEXT

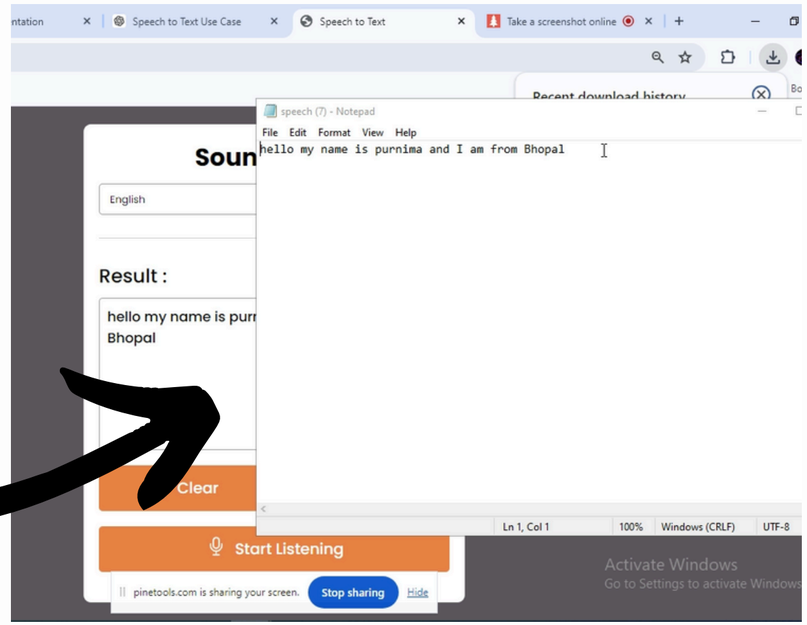




CLICK THE DOWNLOAD BUTTON



DOWNLOAD IN THE NODEPAD TEXT FORM



THANK YOU