




# Tamizhinayam - Sol Pesi - Browser Extensions

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# Application Overview

## Core Functionality

- Convert Tamil text in web pages to Tamil speech.

## Target Browsers

- Google Chrome
- Mozilla Firefox

## Features

- Light weight
- Easy to install and use.
- Both male and female speakers available



# Functional Overview

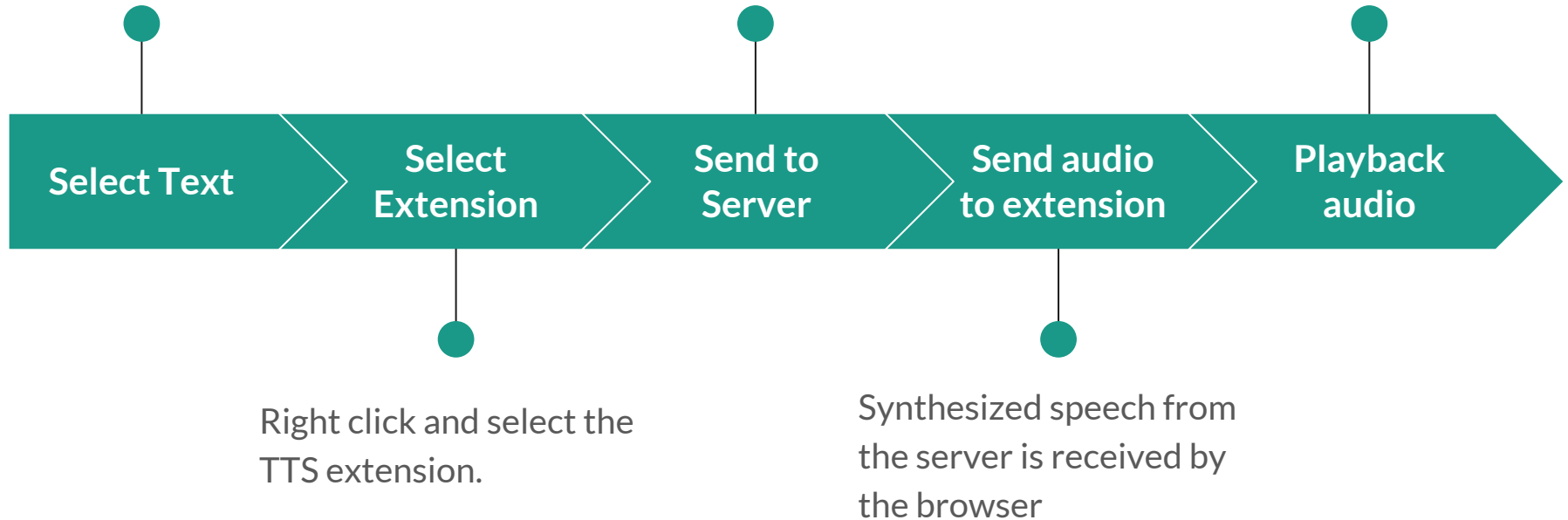
- A text-to- speech (TTS) synthesis system is expected to synthesize intelligible and natural speech corresponding to any given text.
- A Tamil TTS system lies at the backend and is hosted on a server.
- Selected text is sent from the browser to the server through the browser extension.
- Server converts the received text to speech.
- Synthesized speech is sent back to the browser and played back using the browser extension.

# Process Overview

Drag and select the text to be read.

Selected text is sent to the server where text is converted to speech.

Received audio/speech is played back to the user







## Future Scope

1. Incorporate a more disabled-friendly approach.
2. Reduce response times.
3. Reduce bandwidth requirement