Project Synopsis/Project Concept Document

Project number	42
Project Title	Merrative text to speech
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Description
The client is a website-based platform for online articles. The team's task is to create a text-to-speech interface to convert the text-based articles into an audible format. Further, the client requires an audio player that can be embedded in other websites. The client will provide all the UI/UX and other non functional components.
Essentially, our project will take text as input and generate an audio file. Then the end-user can listen to the audio generated via an embeddable audio player.

Profile of Users
The text-to-speech tool will be used by readers which they'll use to listen to articles instead of having to read them.

Publishers would use the tool to convert their article to an audio file and also make edits to the audio file.

Feature highlights
- convert articles in text format to audio.
- add a feature to embed an audio player for the generated audio.
- allow modification (basic editing- cropping, adding an audio mark) of the generated audio, if time permits.
- store analytics (which audio article is listened to, how much duration it is actually played) for each article, if time permits.

Usage Model and Diagrams (if any)

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┌─────────────────┐
│    Publisher    │
│ uploads article │
└────────┬────────┘
         │
         ▼
┌─────────────────┐
│   Article gets  │
│ converted to an │
│    audio file   │
└────────┬────────┘
         │
         ▼
┌─────────────────┐
│ Publisher edits │
│  the audio file │
└────────┬────────┘
         │
         ▼
┌─────────────────┐
│  Reader listens │
│ to the audio file│
└─────────────────┘
```