

Software Requirements Specification (SRS) Document

Project number 25 - Merrative

Team 42

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Brief problem statement

Create a tool that allows you to convert text-based articles into an audible format. Create an audio player that can be embedded on any website.

System requirements

- Convert articles that are in text format to audio.
- Embed an audio player for the audio that was generated.
- Amazon Polly and Bubble.io are the technologies required.

Users profile

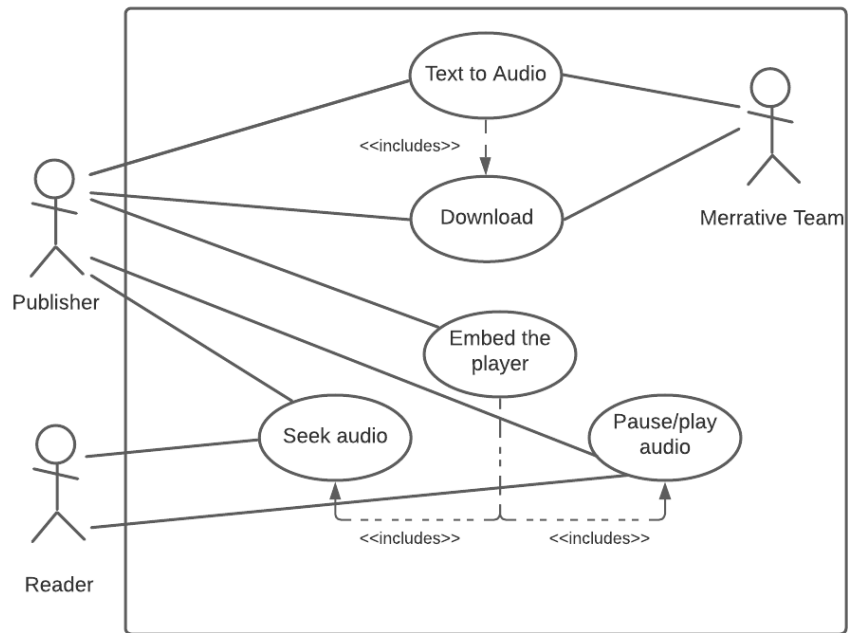
Readers use the tool to listen to the audio format of the articles. Readers do not need to be very familiar with computers.

Publishers would generate an audio file of their article and may embed an audio player for that article to their website. They should be familiar with such software.

Feature requirements (described using use cases)

No.	User Case Name	Description	Release
1.	Text to Audio	Convert the text-based articles into audio format	R1
2.	Seek the audio	Move forward or backwards in the audio generated	R2
3.	Embed the player	Embed the audio player in other websites	R2
4.	Download	Download the audio generated	R1
5.	Pause/Play the audio	Toggle pause or play the audio	R2

Use case diagram



Use case description

Use Case Number:	UC-01
Use Case Name:	Text to Audio
Overview:	Convert text. based articles into listenable audio format.
Actors:	Publishers of articles
Pre condition:	A full article must be published on the site or must have the link to a published article.
Flow:	<ol style="list-style-type: none">1. the actor will upload their article.2. the tool will convert the text-based file to an audio format
Post Condition:	The audio should be generated and ready to listen to.

Use Case Number:	UC-02
Use Case Name:	Seek audio
Overview:	Move forward or backwards in the audio generated
Actors:	Readers and Publisher
Pre condition:	An audio file is generated and ready to listen to and the embedded audio player is ready.
Flow:	<ol style="list-style-type: none">1. the actor starts playing the audio.2. the actor goes to a different timestamp with their cursor.
Post Condition:	The actor is able to move forward or backward in the audio generated.

Use Case Number:	UC-03
Use Case Name:	Embed the player
Overview:	Embed an audio player for the audio that was generated, on other websites.
Actors:	Article Publishers
Pre condition:	An audio file needs to be generated.

Flow:	<ol style="list-style-type: none"> 1. The actor requests an embeddable audio player 2. The actor obtains the HTML embed code 3. They use the code in the HTML of their website
Post Condition:	The audio player is embedded in other websites.

Use Case Number:	UC-04
Use Case Name:	Download
Overview:	Download the audio generated
Actors:	Publishers, Audio Listeners, Merrative team
Pre condition:	The audio must be generated.
Flow:	<ol style="list-style-type: none"> 1. The actor clicks the download button.
Post Condition:	The audio file is downloaded to the actor's device.

Use Case Number:	UC-05
Use Case Name:	Pause/Play the audio
Overview:	Toggle pause or play the audio
Actors:	Readers and Publisher
Pre condition:	An audio file is generated and ready to listen to and the embedded audio player is ready.
Flow:	<ol style="list-style-type: none"> 1. The actor clicks the Play/Pause button.
Post Condition:	The actor is able to pause/play the audio.

Test Backlog

No backlog as of yet