

# **MERN Practicum 1**

**Screenshot Document**

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## Introduction:

This document contains screenshots describing the functionality in the MERN Web Dev Practicum for audio to text transcription.

## Overview:

This is a practicum for the MERN stack, the goal is to build a full stack Javascript (MERN) application that allows users to upload/record speech/conversation of up to 60 minutes, translates the audio, and sends a text transcript to the user's email upon completion. This application will also allow a user to see archived text transcripts and includes frontend and backend test coverage.

This application is composed of 2 main components: Front-end Web GUI (mern1\_app) and Back-end Web Server (mern1\_server). Communication between the front-end and back-end elements is structured and performed in a RESTful manner. The front-end will make requests to the back-end using http url command requests and json formatted parameters. The back-end will respond to these requests with json formatted data. Back-end serialization of data will be achieved using a NoSQL (MongoDB) database and local storage.

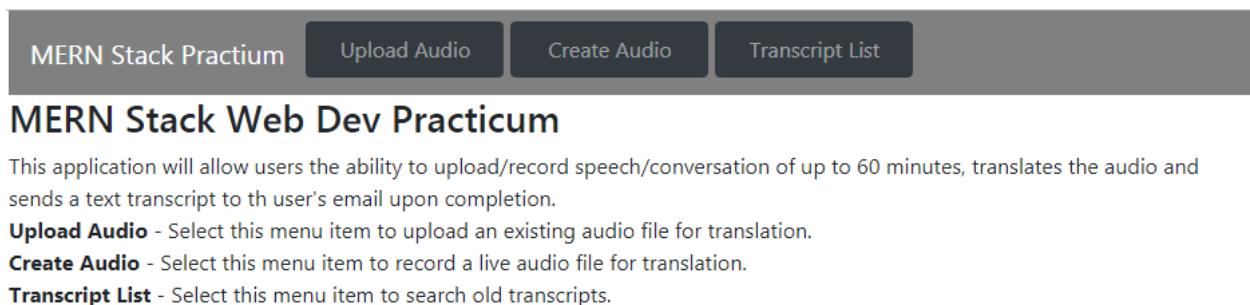


Figure 1 - Main application display

## Upload Audio

MERN Stack Practium

Upload Audio

Create Audio

Transcript List

### Upload Audio File

File Name

Choose File

No file chosen

File Description

E-Mail

Upload

Close

Results

Figure 2 - Main page for audio upload

MERN Stack Practium

Upload Audio

Create Audio

Transcript List

## Upload Audio File

File Name

Choose File

mern1\_test\_audio.wav

File Description

Test audio file for transcription

E-Mail

tpartcal@gmail.com

Upload

Close

Results

Figure 3 - Main page for audio upload with required information

MERN Stack Practium

Upload Audio

Create Audio

Transcript List

## Upload Audio File

File Name

Choose File

No file chosen

File Description

E-Mail

Upload

Close

Results

File has been submitted for processing

Figure 4 - Main page for audio upload with successful upload completed

## Create Audio

MERN Stack Practium

Upload Audio

Create Audio

Transcript List

### Create Audio File

File Name

File Description

E-Mail

Start Recording

Stop Recording

Upload

Close

Elapsed Time:

Results

Figure 5 - Main page for create audio file

MERN Stack Practium

Upload Audio

Create Audio

Transcript List

## Create Audio File

File Name

File Description

E-Mail

Start Recording

Stop Recording

Upload

Close

Elapsed Time:

Results

Figure 6 - Main page for create audio file with required information



MERN Stack Practium

Upload Audio

Create Audio

Transcript List

## Create Audio File

File Name

File Description

EMail

Start Recording

Stop Recording

Upload

Close

Elapsed Time:

Results

File has been submitted for processing

Figure 7 - Main page for create audio file with successful upload completed

## Transcript List

MERN Stack Practium

Upload Audio

Create Audio

Transcript List

### Search Transcript List

Email

Search

Close

Results

Figure 8 - Main page for search transcript list

MERN Stack Practium

Upload Audio

Create Audio

Transcript List

## Search Transcript List

E-Mail

tpartcal@gmail.com

Search

Close

Results

Figure 9 - Main page for search transcript list with required information

MERN Stack Practium

Upload Audio

Create Audio

Transcript List

## Search Transcript List

EMail

Search

Close

Results

## Audio to Text File List

Name	Description	EMail	
mern1_test_audio.wav	Test audio file for transcription	tpartcal@gmail.com	<a href="#">View</a>
testfile10	Latest test of file transcription of live audio	tpartcal@gmail.com	<a href="#">View</a>

Figure 10 - Main page for search transcript list with return results

MERN Stack Practium

Upload Audio

Create Audio

Transcript List

## View Transcription

Name:

mern1\_test\_audio.wav

Description:

Test audio file for transcription

Transcripton:

this is a test of the emergency broadcast system this is a test of the emergency broadcast system

Close

Figure 11 - View of Transcription