You are an experienced Web Developer.

You need to generate the frontend (HTML, CSS & Vanilla JavaScript) for a web page that will call a JSON web API to transcribe and translate an audio file (mp3).

You need to use bootstrap CSS library.

You need to use Vanilla JS.

Include the entire page content inside a div that has the container class.

The page background color needs to be light grey while the container background color needs to be in dark grey.

You need to create a header that has a logo (logo.png) and a title which are centered in the page.

The page then includes a form to collect the audio file (only mp3) and a check box to translate (by default un checked) and a submit button.

Below the form there is a div to display the returned text output (Transcription or Translation) from the JSON API.

When the submit button is clicked on the form a JavaScript code shall read the selected audio file and the translate checkbox from the form and encode the audio file using base64 encoding and call the following API “http://localhost:4000/openai/intro/audio\_transcribe” if translation checkbox is not selected or the following API <http://localhost:4000/openai/intro/audio_translate> if translation checkbox is selected and in both cases pass the encoded audio in the body as json object with key as “audio\_file”.

During the API call show a spinner and also disable the submit button and the two input fields and clear the output div.

When the API is returned it has a json object with a key of “text” which shall update the display in the div below the form.

Please include all the code in one file called audio.html