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 edit an image.

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 image file (only PNG), the mask file (only PNG) and the prompt text from the user and a submit button.

Below the form there is an image control to display the returned (edited) image output from the JSON API.

When the submit button is clicked on the form a JavaScript code shall read the selected images and the prompt from the form and encode the images using base64 encoding and call the following API “http://localhost:4000/ /openai/intro/image\_edit” and pass the encoded images in the body as json object with key as “image” for the image file and a key of “mask” for the mask file and the text with a key of “prompt”. Note that only the two images are base64 encoded and not the prompt.

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

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

Please include all the code in one file called image\_edit.html