



Details
<p>editor.py</p> <ul style="list-style-type: none">• User uploads an image using the Streamlit interface.• User has the option to apply auto-enhancements by clicking the "Auto-Enhance" button.• User has the option to apply red-enhancements by clicking the "Red-Enhance" button.• User can crop the image to 1440x2560 by clicking the "Crop to 1440x2560" button.• User can undo the last enhancement by clicking the "UNDO-Enhance" button.• The uploaded image goes through a series of editing functions, including resizing, rotation, applying filters, adjusting exposure, brilliance, highlights, shadows, contrast, brightness, black point, saturation, vibrancy, warmth, tint, sharpness, and noise reduction.• User can choose to apply simple super-resolution by checking the "Simple Super-Resolution" checkbox and adjusting the super-resolution factor.• The edited image is displayed to the user in the Streamlit interface.
<p>file_uploader.py</p> <ul style="list-style-type: none">• User interacts with the Streamlit interface and uploads an image.• Code checks if an image has been uploaded.• If an image has been uploaded, it is loaded and displayed in the Streamlit interface.• Code displays image information in the sidebar, including size, mode, and format.• Empty placeholders for image information are created in the sidebar.• Size, mode, and format of the uploaded image are displayed in the corresponding placeholders.
<p>main.py</p> <ul style="list-style-type: none">• User interacts with the Streamlit interface and uploads an image.• Code loads the uploaded image using a custom function from the frontend module.• If the 'image_states' list is not present in the session state, it initializes it as an empty list.• The current image state is stored in the session state list for UNDO functionality.• Image editing is performed using a custom function from the frontend module.• The edited image is converted to TIFF format and stored in a buffer.• The TIFF image data is converted to base64 encoding for displaying in the web app.• The edited image is displayed in the Streamlit interface with a zoom effect.• A download button is provided to download the edited image.