Features to execute in phase 1(written in the order of execution):

1. **Image resizing(dimensions):** This feature should allow the user to resize images to any size in the following ways:
    a. By explicitly stating the width and height
    b. Stating only one side (H or W) and reducing another side with that aspect ratio. We can provide the user with an option to ask: Automatically adjust the longest side of the image.

2. **Image compression:** This feature should allow users to compress the photo size. We should provide the following options:
    a. Lossless compressions: No reduction in image quality and reduced file size. We should give the user a knowledge note (subtly or funnily) that the png images cannot be reduced in size only can be resized(dimension) to reduce the file size but instead give them the option to convert it into a jpeg image with its benefits.
    b. Lossy compression: Extreme compression of pictures with loss in quality. Specify it to the user earlier regarding loss of quality.

3. **File Conversion:** With features 1 and 2, give them the option to export it with the specified output format: jpeg, png, gif, tiff, PSD, pdf, eps, AI, INDD, RAW, SVG (if possible) and WEBP. Ensure the WEBP format is available, as it is getting popular for website edits.

4. **Product detection and background removal:** This feature should allow the user to remove the product background and add any colours. We should display a message earlier saying, *"The image should not have too many objects in it, as it may affect the output."* Until we implement AI for this feature for detecting each object in the image. The use case of this feature are as follows:
    a. eCommerce Product Image.
    b. Passport size photo maker: Uploads a selfie image and removes the background precisely and add a background colour. The default size for all popular applications should be specified during the time of export so that they can download it at the required dimensions(For passports, visas, PSC applications….etc.)

5. **Bulk renaming:** The feature should allow the user to rename all the images in particular formats, which are in multiple folders or a single folder.
    a. Example: Say there are folders as follows (EN-PP-MAT-GR, EN-PP-MAT-TN, EN-PP-MAT-NB, EN-PP-MAT-PK). In each of these folders, there are 3 images or any number of images. Our application should detect the number of images in each folder and rename it in the following format:
        i. EN-PP-MAT-GR-1.jpg, EN-PP-MAT-GR-2.jpg, EN-PP-MAT-GR-3.jpg (We can give the option to change the image format if needed at the start of the procedure)
        ii. We should give the user a customized file naming option if they don't want the default option.