1. Title: Image Denoising and Compression

2. Group Member Names: Hannah Duong, Henry Toth, John Rankin, Ken Michael Fabia, Robert Chen, Thomas Keyes

3. Project Description: Our project focuses on using Fourier Transform techniques to denoise and compress RGB images. By applying a low-pass filter, we remove high-frequency noise while retaining essential components, effectively compressing the image and preserving key visual details. This approach highlights the trade-off between denoising and maintaining image quality, showcasing the Fourier Transform's power in image enhancement and compression.

4. Division of Labor:

Hannah: Load and Preprocess the Image.

Henry: Research and Implement denoising of the code.

John: Research and Implement compression of the code.

Ken: Compose the compare the pre and post images and generate graphs, pictures, etc

Thomas: Reconstruct the image and create the PowerPoint Presentation.

Robert: Video editing and demonstration