

4-Week Project Plan

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Week 1: Project Setup and Basic GUI

Goal: Set up the project and create a basic user interface (GUI).

- Set up the development environment (Python, necessary libraries, GitHub for version control).
- Create a simple GUI where you can upload an image, generate shares, and show the reconstructed image.

Week 2: Visual Cryptography Integration

Goal: Add the visual cryptography system to the application.

- Implement share generation and image reconstruction using visual cryptography.
- Let the user input the number of shares and required shares to reconstruct the image.

Week 3: Secure Share Storage

Goal: Allow users to securely save and load shares.

- Encrypt the shares before saving them to ensure they are secure.
- Allow the user to load the encrypted shares when needed for image reconstruction.

Week 4: Share Distribution and User Management

Goal: Implement share distribution and basic user authentication.

- Let users send shares via email or save them to a cloud storage service.
- Implement basic user login and password authentication to protect the application.