

# **Project Charter: Advanced Digital Photo Frame**

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## **Problem Statement:**

Modern cloud apps exist to store and manage one's photos, however these services often mandate the recurring purchase of a cloud subscription, degrade image quality, or keep the user from migrating to another platform due to vendor lock-in. Many of them also do not provide an easy way to share your photos with others. Our project will provide a singular self-hosted space to store photos, as well as provide an accessible social media platform for sharing photos with family and friends.

## **Project Objectives:**

- Build a desktop app for building and displaying digital photo frames
- Creating a database for storing photos and photo metadata
- Creating a server to send/share photos across all formats
- Create a social media aspect in liking and commenting on photos
- Incorporate friend requests so that photos can only be shared by people you add
- Make database compatible with all operating systems and photo formats

## **Stakeholders:**

- Users: People who value their photos and how they are organized
- Developers: Alex Goswick, Rachel Hawley, Samara Saquib, Evan Shaw
- Project Manager: Siddharth Dhar
- Project Owners: Alex Goswick, Rachel Hawley, Samara Saquib, Evan Shaw

## **Deliverables:**

- Use React JS to create a front-end web application for uploading photos to a database for sorting, organization into slideshows, and an interface that allows approved users to view, like, and comment on other users photos
- Create a desktop app using Java for organizing and displaying photos
- Use MySQL to create the database that stores and organizes users' photos for easy access
- Utilize concurrency to make the server compatible for multiple users