Project Documentation: PhotoConnect

1. Project Overview

PhotoConnect is a dynamic web application designed to bridge the gap between clients and professional photographers. The platform serves as a centralized hub where clients can discover talent, while administrators maintain full control over the service offerings.

Key Features

• Secure Authentication: Robust role-based access control (RBAC) separating USER (Client) and ADMIN functionalities.

• Photographer Management: Full CRUD (Create, Read, Update, Delete) capabilities for managing photographer profiles.

• Portfolio Integration: Streamlined image upload system for building visual galleries.

• Availability Tracking: Real-time management of photographer schedules.

• Advanced Data Handling: Integrated pagination, sorting, and filtering to ensure a smooth user experience even with large datasets.

2. Technical Stack

The application is built on a modern Java-based stack to ensure scalability and security.

Technologies Used

- Backend: Spring Boot, Spring Data JPA, Spring Security

- Frontend: HTML/CSS/javaScript

- Database: MySQL

3. System Logic & Constraints

• Permissions: Clients are restricted to "View Only" access for portfolios. Only accounts with the ADMIN role can modify data or upload media.

• Storage Strategy: Images are currently stored in a localized directory defined in the properties file; ensure the application has written permissions for that folder.

• Requirements Status: All core milestones—Authentication, CRUD operations, and Role-Based Access—are fully implemented.

Git Repository URL: **https://github.com/Kaarthiraghav/PhotoConnect**