**Project Proposal:**

Photo Gallery with CRUD Operations and MySQL Integration

**Project Overview:**

We propose to develop a web-based photo gallery application with CRUD (Create, Read, Update, Delete) functionality using Spring Boot for the backend, MySQL for database storage, and HTML/CSS/JavaScript for the frontend.

**Project Objectives:**

1. Create (Upload): Allow users to upload images to the gallery.

2. Read (View): Display a list of images in the gallery.

3. Update (Edit): Enable users to edit image details.

4. Delete (Remove): Allow users to delete images from the gallery.

**Technologies Used:**

- Backend: Spring Boot for API development.

- Database: MySQL for storing image metadata and related information.

- Frontend: HTML, CSS, JavaScript for user interface and interaction.

**Project Phases:**

1. Setup and Backend Development:

- Configure and set up the Spring Boot project.

- Implement API for CRUD operations.

- Create and connect to a MySQL database to store image metadata.

2. Frontend Development:

- Design and develop a user-friendly interface for the photo gallery using HTML and CSS.

- Use JavaScript to make API calls to the backend for reading, creating, updating, and deleting images.

- Implement simple forms for image uploads and editing.

3. Database Integration:

- Design the MySQL database schema to store image metadata, including titles, descriptions, and file paths.

- Implement database connectivity in the Spring Boot application using jdbc.

**Project Deliverables:**

- A functional web-based photo gallery accessible through a web browser.

- Source code for both the frontend and backend.

- MySQL database schema script.

**Team Members:**

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