Social Media Application

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**Topic Description:**

This project focuses on building a secure social media application for students while addressing critical cybersecurity vulnerabilities. The application allows users to register, authenticate, manage albums, upload pictures, and manage friendships. However, the primary goal is to integrate and demonstrate advanced cybersecurity measures. The project will focus on mitigating common vulnerabilities such as SQL Injection and Cross-Site Scripting (XSS), ensuring database security, and implementing cryptographic techniques to protect sensitive user data. By embedding these security practices, the application serves as both a functional platform and a learning tool for understanding and implementing web application security.

**Why We Chose This Topic:**

As cyber threats continue to rise, ensuring security in web applications is more critical than ever. By implementing this project, we aim to explore real-world cybersecurity challenges and apply our knowledge to secure a student-focused social media platform. This topic allows us to analyze vulnerabilities like SQL Injection and XSS, strengthen database security, and apply cryptography in practical scenarios. It provides a hands-on approach to learning secure coding practices while addressing real-world cybersecurity concerns, making it both relevant and impactful for our learning journey in web security.

Priority

1. Working application on all

Things to do

1. Front-end

About

Only girls—social media

Theme – girls only – pink theme

My Pictures

Personal album management

Public (sharing with friends)

**Only friends we know can add each other**

Morning

Front end

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Home – log in page(mary)

My friends – friend requestds and my actual friends (when clicked you go to albums) (Sonpreet)

My albums -- diya

My pictures -- anila

Uploads -- diya

Header and footer

Login, logout, sign up (create)

Zip file of php!!