Lab Assignment No 2 /Mini Project

(Group of 3 Students/Group)

Design and implement a **"Secure Document Management System (SDMS)" Application** that allows users to securely upload, encrypt, share, and retrieve documents.

It must include Following Features:

- User registration and login with password hashing (SHA-256)

- RSA key pair generation for secure key exchange

- AES encryption for document confidentiality

- SHA-256 hashing for integrity verification

- Role-based access control (Admin/User)

- SQLite database for storing users and documents

- Command-Line Interface (CLI)

CSC232-Information Security

DeadLine:23 November 2025

Department of Computer Science

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