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(57) Abstract :

The current invention presents a secure online document management system that guarantees the confidentiality, integrity, and accessibility of documents. By employing role-based access control (RBAC), attribute-based access control (ABAC), access control lists (ACLs), encryption and decryption procedures, as well as auditing and logging functions, the system ensures that authorized users can securely store, access, and manage documents. RBAC allows administrators to define user roles and assign corresponding rights, while ABAC considers specific attributes to limit access. ACLs enable users to control document sharing, and encryption protects against unauthorized access. The system's auditing and logging functions enable monitoring and accountability. Overall, this access control-based system provides a comprehensive solution for secure document management and storage.

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