**DIGILOCKER DOCUMENTATION**

**Overview**

Digi Locker is an application that ha been introduces by the government of India to reduce and eventually eliminate the need to carry physical documents with all the time. It mainly focuses on the documents that have legally acquired by the citizens of India.

**Features**

* Secure Document Storage: Store various types of documents in a digital format.
* Document Issuance and Verification: Authorized issuers can issue documents directly to a user's Digi Locker account, which can be verified online.
* Document Sharing: Share documents with entities like government agencies, banks, or employers directly from Digi Locker.
* eSign Facility: Digitally sign documents using Aadhaar-based eSign.
* Accessibility: Access documents anytime, anywhere via the web or mobile app.

**Working of Digi locker**

1. **Registration:** Users register using their mobile number, authenticated through OTP.
2. **Linking Aadhaar:** Link Aadhaar number for enhanced security and additional services.
3. **Uploading Documents:** Upload scanned copies of documents.
4. **Fetching Issued Documents:** Fetch documents issued by government agencies directly into Digi Locker.
5. **Sharing Documents:** Share documents with requesting authorities by providing access links.

**Security and Privacy**

* **Data Encryption:** Encrypt documents and data during storage and transmission.
* **Aadhaar Authentication:** Robust authentication mechanism through Aadhaar integration.
* **Audit Trail:** Maintain an audit trail of all document accesses and shares.

**Underlying Model**

DigiLocker operates on a **Centralized Cloud-Based Model** with key components:

1. **Central Repository:** Securely store documents on government-approved cloud infrastructure.
2. **Issuers:** Government departments and agencies authorized to issue documents.
3. **Requesters:** Entities that request access to documents for verification.
4. **Users:** Individuals storing, accessing, and sharing documents.

**Key Technologies Used**

* **Cloud Storage:** Scalable, reliable, and accessible document storage solutions.
* **RESTful APIs:** Facilitate document issuance, retrieval, and verification.
* **Encryption Standards:** Protect data with Advanced Encryption Standards (AES).
* **Aadhaar Authentication:** Aadhaar-based user verification for security and trust.

**Benefits**

* **Efficiency:** Streamline administrative processes.
* **Convenience:** Access documents anytime, anywhere.
* **Security:** Secure documents with robust encryption and authentication.
* **Environmental Impact:** Contribute to environmental conservation by reducing paper usage.

**Conclusion**

DigiLocker is a pivotal initiative in the digitization of India, offering a secure and efficient platform for managing and sharing digital documents. Its centralized cloud-based model and strong security measures make it a reliable solution for individuals and organizations. DigiLocker enhances the efficiency of governmental and non-governmental processes, aligning with the goals of the Digital India campaign.

**Overview**

**DigiLocker** is an Indian Government initiative under the **Digital India** program. It aims to provide a **secure cloud-based system** for storage, retrieval, and sharing of digital documents, eliminating the need for physical documents and improving the efficiency of government services.

**Proposed Features**

* **Secure Document Storage:** Store various documents in digital format.
* **Document Issuance and Verification:** Issue and verify documents online, reducing physical verification needs.
* **Document Sharing:** Share documents directly from Digi Locker with entities like government agencies or employers.
* **eSign Facility:** Digitally sign documents using Aadhaar-based eSign.
* **Accessibility:** Access documents anytime, anywhere via web or mobile app.

**User Workflow**

1. **Registration:** Register using a mobile number authenticated through OTP.
2. **Linking Aadhaar:** Link Aadhaar number for enhanced security and services.
3. **Uploading Documents:** Upload scanned copies of documents.
4. **Fetching Issued Documents:** Fetch documents issued by government agencies.
5. **Sharing Documents:** Share documents with requesting authorities.

**Security and Privacy**

* **Data Encryption:** Encrypt documents and data during storage and transmission.
* **Aadhaar Authentication:** Use Aadhaar for robust user authentication.
* **Audit Trail:** Maintain an audit trail for document access and sharing.

**Underlying Model**

DigiLocker operates on a **Centralized Cloud-Based Model** with key components:

1. **Central Repository:** Store documents on government-approved cloud infrastructure.
2. **Issuers:** Government departments authorized to issue documents to DigiLocker.
3. **Requesters:** Entities requesting access to documents for verification.
4. **Users:** Individuals storing, accessing, and sharing documents.

**Key Technologies Proposed**

* **Cloud Storage:** Use cloud solutions for scalability and reliability.
* **RESTful APIs:** Facilitate document issuance, retrieval, and verification.
* **Encryption Standards:** Protect data with advanced encryption standards (AES).
* **Aadhaar Authentication:** Verify users with Aadhaar-based authentication.

**Anticipated Benefits**

* **Efficiency:** Streamline administrative processes.
* **Convenience:** Access documents anytime, anywhere.
* **Security:** Secure documents with robust encryption and authentication.
* **Environmental Impact:** Contribute to environmental conservation by reducing paper usage.

**Conclusion**

Digi Locker is a pivotal initiative in India's digitization, offering a secure and efficient platform for managing and sharing digital documents. Its centralized model and strong security measures will provide a reliable solution for individuals and organizations, enhancing the efficiency of governmental and non-governmental processes and contributing to the Digital India campaign.

What I think should be improved in this application

* Documents for the students from State-board must be accessible too.
* Register more colleges that are not yet registered with Digi locker.
  + This will increase the efficiency of this application.