**Case Study: Document Management System**

**Objective:**

Develop a menu-based console application to assess your proficiency in Core Java, MySQL, and JDBC. The application will simulate a document management system for a law firm, allowing users to manage documents, clients, and cases.

**Functionalities:**

1. **Document Management:**
   * Upload new documents
   * View document details
   * Update document information
   * Delete documents
2. **Client Management:**
   * Add new clients
   * View client details
   * Update client information
   * Delete clients
3. **Case Management:**
   * Create new cases
   * View case details
   * Update case information
   * Close cases

**Database Schema:**

* **Document Table:**
  + document\_id (Primary Key)
  + title
  + description
  + file\_path
  + upload\_date
* **Client Table:**
  + client\_id (Primary Key)
  + name
  + contact\_number
  + email
  + address
* **Case Table:**
  + case\_id (Primary Key)
  + client\_id (Foreign Key references Client Table)
  + case\_number
  + description
  + status
  + open\_date
  + close\_date

**Requirements:**

* Develop a menu-based console application using Core Java.
* Use JDBC for interactions with the MySQL database.
* Implement menu options for managing documents, clients, and cases.
* Ensure the application allows for uploading documents, creating new cases, and managing client information efficiently.
* Handle exceptions effectively and provide user-friendly error messages.
* Ensure the application code is clean, well-documented, and follows standard coding conventions.

**Submission:**

* Submit the complete source code along with a README file that provides setup and usage instructions.
* Share your project by uploading it to a public GitHub repository.
* Provide the link to the GitHub repository to the coaches.