**System Design Document**

Mirror

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Project : Mirror

Author : Usha Devi .K

**Document Revisions**

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# Overview

The project Mirror was designed and hosted for Aparajitha Corporate Services Private Limited. This web application is designed to manage the following modules. The indent of this project is to manage the below mentioned modules effectively, efficiently and improve the overall performance in order to moving forward the next level.

* Administrator Module
* Knowledge Team Module
* Techno Functional Team Module
* Client Module
* Service Provider Module

Proposed system of the Web application is the some of features, which are listed and explained below. Proposed system will be categorized by the seven kind of users. That user's are,

* + - * Admin
      * Knowledge Team Manager
      * Knowledge Team User
      * Techno Functional Team User
      * Client Admin
      * Client User
      * Service Provider

# Development Tools

The following Technologies are to be used for developing Web Application for Mirror:

* + - * Python 2.7
      * Tornado Framework
      * Jquery
      * HTML
      * CSS
      * MySQL

# System Process

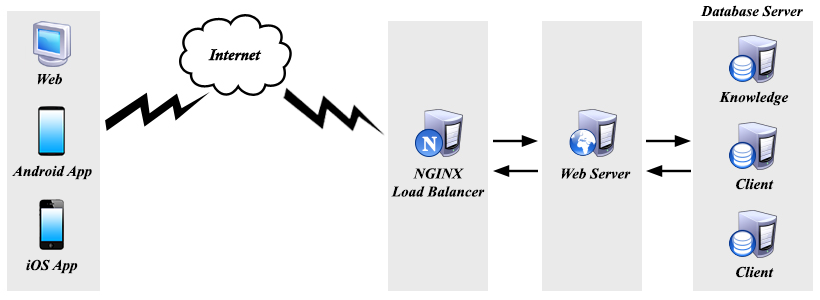
## Scope of the Project

The project was designed for Aparajitha Corporate Services Private Limited. From here on the database will be the storage of all the important data. This will provide the effective security to the system more over the ultimate user can be able to get back with any kind of highly usable reports which he/she would like to see. The system will help to input the specified data in a sequential manner.

# System Design

## Architecture Diagram

Access to this web system is possible using browsers with internet connection. For Android Mobile App/Tablet App, iPhone/iPad App, Blackberry 10 App, accessing will be made through the Apps for the respective platforms with internet connection.

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## Data flow Diagram

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# Database Design

## Schema Definition – Knowledge Database

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Table Name** | | **Fields** | **Data type** | | | | **Size** | | | | | | **Default Value** | | | | **Key** | | | | **Reference** | | | | |
| **Forms** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | tbl\_forms | | form\_id | INT | | | |  | | | | | |  | | | | PK | | | |  | | | | |
| form\_name | VARCHAR | | | | 50 | | | | | |  | | | |  | | | |  | | | | |
| form\_url | VARCHAR | | | | 50 | | | | | |  | | | |  | | | |  | | | | |
| form\_order | VARCHAR | | | | 50 | | | | | |  | | | |  | | | |  | | | | |
| form\_type | VARCHAR | | | | 20 | | | | | |  | | | |  | | | | (It/  Knowledge/  Techno/  Client/  Serviceprovider) | | | | |
| category | VARCHAR | | | | 20 | | | | | |  | | | |  | | | | (Masters/  Transactions/   Reports/   Settings) | | | | |
| admin\_form | TINYINT | | | |  | | | | | |  | | | |  | | | |  | | | | |
| parent\_menu | VARCHAR | | | | 50 | | | | | |  | | | |  | | | |  | | | | |
| **User Groups** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | tbl\_user\_groups | | user\_group\_id | INT | | | |  | | | | | |  | | | | PK | | | |  | | | | |
| user\_group\_name | VARCHAR | | | | 50 | | | | | |  | | | |  | | | |  | | | | |
| form\_type | VARCHAR | | | | 20 | | | | | |  | | | |  | | | | (It/ Knowledge, Techno,  /Client,  /Serviceprovider) | | | | |
| form\_ids | VARCHAR | | | | 250 | | | | | |  | | | |  | | | | Multiple form\_ids concatenated with “,” | | | | |
| is\_active | TINYINT | | | |  | | | | | | 1 | | | |  | | | |  | | | | |
| created\_by | INT | | | |  | | | | | |  | | | |  | | | |  | | | | |
| created\_on | TIMESTAMP | | | |  | | | | | |  | | | |  | | | |  | | | | |
| updated\_by | INT | | | |  | | | | | |  | | | |  | | | |  | | | | |
| updated\_on | TIMESTAMP | | | |  | | | | | | CURRENT\_TIMESTAMP | | | |  | | | |  | | | | |
| **Users** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | tbl\_users | | user\_id | | | | INT | | | | |  | | | | |  | | | | PK | | | | |  |
| username | | | | VARCHAR | | | | | 100 | | | | |  | | | |  | | | | |  |
| password | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | |  |
| client\_id | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| is\_active | | | | TINYINT | | | | |  | | | | | 1 | | | |  | | | | |  |
| created\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| created\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_on | | | | TIMESTAMP | | | | |  | | | | | CURRENT\_TIMESTAMP | | | |  | | | | |  |
| **User Sessions** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | tbl\_user\_sessions | | session\_id | | | | INT | | | | |  | | | | |  | | | | PK | | | | |  |
| user\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_users |
| login\_time | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| **User Details** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | tbl\_user\_details | | user \_id | | | | INT | | | | |  | | | | |  | | | | PK | | | | |  |
| email\_id | | | | VARCHAR | | | | | 100 | | | | |  | | | |  | | | | |  |
| user\_group\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_user\_groups |
| form\_type | | | | VARCHAR | | | | | 20 | | | | |  | | | |  | | | | | (It/  Knowledge/  Techno/  Client/ Serviceprovider) |
| employee\_name | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | |  |
| employee\_code | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | |  |
| contact\_no | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| address | | | | VARCHAR | | | | | 250 | | | | |  | | | |  | | | | |  |
| designation | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | |  |
| domain\_ids | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | | Multiple domain\_ids concatenated with “,” |
| created\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| created\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_on | | | | TIMESTAMP | | | | |  | | | | | CURRENT\_TIMESTAMP | | | |  | | | | |  |
| **Countries** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | tbl\_countries | | country\_id | | | | INT | | | | |  | | | | |  | | | | PK | | | | |  |
| country\_name | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | |  |
| is\_active | | | | TINYINT | | | | |  | | | | | 1 | | | |  | | | | |  |
| created\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| created\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_on | | | | TIMESTAMP | | | | |  | | | | | CURRENT\_TIMESTAMP | | | |  | | | | |  |
| **Domains** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | tbl\_domains | | domain\_id | | | | INT | | | | |  | | | | |  | | | | PK | | | | |  |
| domain\_name | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | |  |
| is\_active | | | | TINYINT | | | | |  | | | | | 1 | | | |  | | | | |  |
| created\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| created\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_on | | | | TIMESTAMP | | | | |  | | | | | CURRENT\_TIMESTAMP | | | |  | | | | |  |
| **Industries** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | tbl\_industries | | industry\_id | | | | INT | | | | |  | | | | |  | | | | PK | | | | |  |
| industry\_name | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | |  |
| is\_active | | | | TINYINT | | | | |  | | | | | 1 | | | |  | | | | |  |
| created\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| created\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_on | | | | TIMESTAMP | | | | |  | | | | | CURRENT\_TIMESTAMP | | | |  | | | | |  |
| **Statutory Natures** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | tbl\_statutory\_natures | | statutory\_nature\_id | | | | INT | | | | |  | | | | |  | | | | PK | | | | |  |
| statutory\_nature\_name | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | |  |
| is\_active | | | | TINYINT | | | | |  | | | | | 1 | | | |  | | | | |  |
| created\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| created\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_on | | | | TIMESTAMP | | | | |  | | | | | CURRENT\_TIMESTAMP | | | |  | | | | |  |
| **Statutory Levels** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | tbl\_statutory\_levels | | level\_id | | | | INT | | | | |  | | | | |  | | | | PK | | | | |  |
| level\_position | | | | INT | | | | |  | | | | |  | | | |  | | | | | 1-10 |
| level\_name | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | |  |
| country\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_countries |
| is\_active | | | | TINYINT | | | | |  | | | | | 1 | | | |  | | | | |  |
| created\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| created\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_on | | | | TIMESTAMP | | | | |  | | | | | CURRENT\_TIMESTAMP | | | |  | | | | |  |
| **Geography Levels** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | tbl\_geography\_levels | | level\_id | | | | INT | | | | |  | | | | |  | | | | PK | | | | |  |
| level\_position | | | | INT | | | | |  | | | | |  | | | |  | | | | | 1-10 |
| level\_name | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | |  |
| country\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_countries |
| is\_active | | | | TINYINT | | | | |  | | | | | 1 | | | |  | | | | |  |
| created\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| created\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_on | | | | TIMESTAMP | | | | |  | | | | | CURRENT\_TIMESTAMP | | | |  | | | | |  |
| **Geographies** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | tbl\_geographies | | geography\_id | | | | INT | | | | |  | | | | |  | | | | PK | | | | |  |
| geography\_name | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | |  |
| level\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_geography\_levels |
| parent\_ids | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | | Multiple geography\_ids  concatenated with "," |
| is\_active | | | | TINYINT | | | | |  | | | | | 1 | | | |  | | | | |  |
| created\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| created\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_on | | | | TIMESTAMP | | | | |  | | | | | CURRENT\_TIMESTAMP | | | |  | | | | |  |
| **Statutory Mappings** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | tbl\_statutory\_mappings | | statutory\_mapping\_id | | | | INT | | | | |  | | | | |  | | | | PK | | | | |  |
| country\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_countries |
| domain\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_domains |
| industry\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_industries |
| statutory\_nature\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_statutory\_natures |
| approval\_status | | | | TINYINT | | | | |  | | | | | 0 | | | |  | | | | |  |
| is\_active | | | | TINYINT | | | | |  | | | | | 1 | | | |  | | | | |  |
| created\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| created\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_on | | | | TIMESTAMP | | | | |  | | | | | CURRENT\_TIMESTAMP | | | |  | | | | |  |
| **Statutories** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | tbl\_statutories | | statutory\_id | | | | INT | | | | |  | | | | |  | | | | PK | | | | |  |
| statutory\_name | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | |  |
| level\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_statutory\_levels |
| parent\_ids | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | | Multiple statutory\_ids  concatinated with "," |
| is\_active | | | | TINYINT | | | | |  | | | | | 1 | | | |  | | | | |  |
| statutory\_mapping\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_statutory\_mappings |
| created\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| created\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_on | | | | TIMESTAMP | | | | |  | | | | | CURRENT\_TIMESTAMP | | | |  | | | | |  |
| **Statutory Mappings – Applicable Location** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | tbl\_statutory\_geographies | | statutory\_mapping\_id | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| geography\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_geographies |
| **Compliances** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | tbl\_compliances | | compliance\_id | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| statutory\_provision | | | | VARCHAR | | | | | 250 | | | | |  | | | |  | | | | |  |
| compliance\_task | | | | VARCHAR | | | | | 100 | | | | |  | | | |  | | | | |  |
| compliance\_description | | | | LONGTEXT | | | | |  | | | | |  | | | |  | | | | |  |
| document\_name | | | | VARCHAR | | | | | 100 | | | | |  | | | |  | | | | |  |
| format\_file | | | | VARCHAR | | | | | 100 | | | | |  | | | |  | | | | |  |
| penal\_consequences | | | | LONGTEXT | | | | |  | | | | |  | | | |  | | | | |  |
| compliance\_frequency | | | | VARCHAR | | | | | 20 | | | | |  | | | |  | | | | | (OneTime / Periodical/ Review/ OnOccurrence) |
| statutory\_dates | | | | LONGTEXT | | | | |  | | | | |  | | | |  | | | | | json-string: list of  dictionaries with keys  statutory\_date, statutory\_month, trigger\_before\_days |
| repeats\_every | | | | INT | | | | | 100 | | | | |  | | | |  | | | | |  |
| repeats\_type | | | | VARCHAR | | | | | 20 | | | | |  | | | |  | | | | | (Yearly/ Monthly/ Days) |
| duration | | | | INT | | | | |  | | | | | 1 | | | |  | | | | |  |
| duration\_type | | | | VARCHAR | | | | | 20 | | | | |  | | | |  | | | | | (Hours/ Days) |
| statutory\_mapping\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_statutory\_mappings |
| is\_active | | | | TINYINT | | | | |  | | | | | 1 | | | |  | | | | |  |
| created\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| created\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_on | | | | TIMESTAMP | | | | |  | | | | | CURRENT\_TIMESTAMP | | | |  | | | | |  |
| **Client Groups** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | tbl\_client\_groups | | client\_id | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| group\_name | | | | VARCHAR | | | | | 50 | | | | |  | | | |  | | | | |  |
| created\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| created\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_by | | | | INT | | | | |  | | | | |  | | | |  | | | | |  |
| updated\_on | | | | TIMESTAMP | | | | |  | | | | |  | | | |  | | | | |  |
| **Client Compliances** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | tbl\_client\_compliances | | client\_compliance\_id | | | | INT | | | | | |  | |  | | | |  | | | | |  | | |
| statutory\_id | | | | INT | | | | | |  | |  | | | | FK | | | | | (only ACT - 1st level)  tbl\_statutories | | |
| applicable | | | | TINYINT | | | | | |  | |  | | | |  | | | | |  | | |
| not\_applicable\_remarks | | | | VARCHAR | | | | | | 250 | |  | | | |  | | | | |  | | |
| compliance\_id | | | | INT | | | | | |  | |  | | | |  | | | | |  | | |
| compliance\_applicable | | | | TINYINT | | | | | |  | |  | | | |  | | | | |  | | |
| compliance\_opted | | | | TINYINT | | | | | |  | |  | | | |  | | | | |  | | |
| compliance\_remarks | | | | VARCHAR | | | | | | 250 | |  | | | |  | | | | |  | | |
| created\_by | | | | INT | | | | | |  | |  | | | |  | | | | |  | | |
| created\_on | | | | TIMESTAMP | | | | | |  | |  | | | |  | | | | |  | | |
| updated\_by | | | | INT | | | | | |  | |  | | | |  | | | | |  | | |
| updated\_on | | | | TIMESTAMP | | | | | |  | | CURRENT\_TIMESTAMP | | | |  | | | | |  | | |
| **Client Saved Statutories** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | tbl\_client\_saved\_statutories | | client\_id | | | | INT | | | |  | | | | | |  | | | FK | | | | | tbl\_client\_groups | |
| client\_saved\_statutory\_id | | | | INT | | | |  | | | | | |  | | | PK | | | | |  | |
| country\_id | | | | INT | | | |  | | | | | |  | | | FK | | | | | tbl\_countries | |
| domain\_id | | | | INT | | | |  | | | | | |  | | | FK | | | | | tbl\_domains | |
| unit\_ids | | | | VARCHAR | | | | 250 | | | | | |  | | |  | | | | | Multiple unit\_ids  Concatinated with "," | |
| client\_compliance\_id | | | | INT | | | |  | | | | | |  | | | PK | | | | |  | |
| geography\_id | | | | INT | | | |  | | | | | |  | | | FK | | | | | Tbl\_geographies | |
| created\_by | | | | INT | | | |  | | | | | |  | | |  | | | | |  | |
| created\_on | | | | TIMESTAMP | | | |  | | | | | |  | | |  | | | | |  | |
| updated\_by | | | | INT | | | |  | | | | | |  | | |  | | | | |  | |
| updated\_on | | | | TIMESTAMP | | | |  | | | | | | CURRENT\_TIMESTAMP | | |  | | | | |  | |
| **Client Statutories** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | tbl\_client\_statutories | | client\_id | | | | INT | | | | | |  | | | |  | | | FK | | | | | tbl\_client\_groups | |
| client\_assigned\_statutory\_id | | | | INT | | | | | |  | | | |  | | | PK | | | | |  | |
| country\_id | | | | INT | | | | | |  | | | |  | | | FK | | | | | tbl\_countries | |
| domain\_id | | | | INT | | | | | |  | | | |  | | | FK | | | | | tbl\_domains | |
| unit\_id | | | | INT | | | | | |  | | | |  | | |  | | | | |  | |
| client\_compliance\_id | | | | INT | | | | | |  | | | |  | | | PK | | | | |  | |
| geography\_id | | | | INT | | | | | |  | | | |  | | | FK | | | | | tbl\_geographies | |
| created\_by | | | | INT | | | | | |  | | | |  | | |  | | | | |  | |
| created\_on | | | | TIMESTAMP | | | | | |  | | | |  | | |  | | | | |  | |
| updated\_by | | | | INT | | | | | |  | | | |  | | |  | | | | |  | |
| updated\_on | | | | TIMESTAMP | | | | | |  | | | | CURRENT\_TIMESTAMP | | |  | | | | |  | |
| **Activity Log** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | tbl\_activity\_log | | activity\_log\_id | | INT | | | | |  | | | | |  | | | | PK | | | | |  | | |
| user\_id | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_users | | |
| form\_id | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_forms | | |
| action | | VARCHAR | | | | | 500 | | | | |  | | | |  | | | | |  | | |
| ticker\_text | | VARCHAR | | | | | 500 | | | | |  | | | |  | | | | |  | | |
| ticker\_link | | VARCHAR | | | | | 100 | | | | |  | | | |  | | | | | (optional) | | |
| created\_on | | TIMESTAMP | | | | |  | | | | | CURRENT\_TIMESTAMP | | | |  | | | | |  | | |
| **Ticker Notification Users** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | tbl\_ticker\_notification \_users | activity\_log\_id | | | | INT | | |  | | | | | | |  | | | FK | | | | tbl\_activity\_log | | | |
| user\_id | | | | INT | | |  | | | | | | |  | | | FK | | | | tbl\_users | | | |
| read\_status | | | | TINYINT | | | 1 | | | | | | | 0 | | |  | | | | 1. Unread 2. Read | | | |
| **Statutories Backup** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | tbl\_statutories\_backup | statutory\_backup\_id | | | | INT | | |  | | | | | | |  | | | PK | | | |  | | | |
| country\_name | | | | VARCHAR | | | 50 | | | | | | |  | | |  | | | |  | | | |
| domain\_name | | | | VARCHAR | | | 50 | | | | | | |  | | |  | | | |  | | | |
| industry\_name | | | | VARCHAR | | | 50 | | | | | | |  | | |  | | | |  | | | |
| statutory\_nature | | | | VARCHAR | | | 50 | | | | | | |  | | |  | | | |  | | | |
| statutory\_provision | | | | VARCHAR | | | 500 | | | | | | |  | | |  | | | |  | | | |
| applicable\_location | | | | VARCHAR | | | 500 | | | | | | |  | | |  | | | |  | | | |
| updated\_by | | | | INT | | |  | | | | | | |  | | |  | | | |  | | | |
| updated\_on | | | | TIMESTAMP | | |  | | | | | | | CURRENT\_TIMESTAMP | | |  | | | |  | | | |
| **Compliances Backup** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | tbl\_compliances\_backup | | statutory\_backup\_id | | | | INT | | | | |  | | | | |  | | | | FK | | | | | tbl\_statutories\_backup |
| statutory\_provision | | | | VARCHAR | | | | | 250 | | | | |  | | | |  | | | | |  |
| compliance\_task | | | | VARCHAR | | | | | 100 | | | | |  | | | |  | | | | |  |
| compliance\_description | | | | LONGTEXT | | | | |  | | | | |  | | | |  | | | | |  |
| document\_name | | | | VARCHAR | | | | | 100 | | | | |  | | | |  | | | | |  |
| format\_file | | | | VARCHAR | | | | | 100 | | | | |  | | | |  | | | | |  |
| penal\_consequences | | | | LONGTEXT | | | | |  | | | | |  | | | |  | | | | |  |
| compliance\_frequency | | | | VARCHAR | | | | | 20 | | | | |  | | | |  | | | | | (OneTime / Periodical/ Review/ OnOccurrence) |
| statutory\_dates | | | | LONGTEXT | | | | |  | | | | |  | | | |  | | | | | json-string: list of  dictionaries with keys  statutory\_date, statutory\_month, trigger\_before\_days |
| repeats\_every | | | | INT | | | | | 100 | | | | |  | | | |  | | | | |  |
| repeats\_type | | | | VARCHAR | | | | | 20 | | | | |  | | | |  | | | | | (Yearly/ Monthly/ Days) |
| duration | | | | INT | | | | |  | | | | | 1 | | | |  | | | | |  |
| duration\_type | | | | VARCHAR | | | | | 20 | | | | |  | | | |  | | | | | (Hours/ Days) |
| **Statutory Notifications Log** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | tbl\_statutory\_notifications \_log | statutory\_notification\_id | | | | INT | | |  | | | | | | |  | | | PK | | | |  | | | |
| statutory\_backup\_id | | | | INT | | |  | | | | | | |  | | | FK | | | | tbl\_statutories\_backup | | | |
| country\_name | | | | VARCHAR | | | 50 | | | | | | |  | | |  | | | |  | | | |
| domain\_name | | | | VARCHAR | | | 50 | | | | | | |  | | |  | | | |  | | | |
| industry\_name | | | | VARCHAR | | | 50 | | | | | | |  | | |  | | | |  | | | |
| statutory\_nature | | | | VARCHAR | | | 50 | | | | | | |  | | |  | | | |  | | | |
| statutory\_provision | | | | VARCHAR | | | 500 | | | | | | |  | | |  | | | |  | | | |
|  | applicable\_location | | | | VARCHAR | | | 500 | | | | | | |  | | |  | | | |  | | | |
| notification\_text | | | | LONGTEXT | | |  | | | | | | |  | | |  | | | |  | | | |
| updated\_on | | | | TIMESTAMP | | |  | | | | | | | CURRENT\_TIMESTAMP | | |  | | | |  | | | |
| **Statutory Notification units** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | tbl\_statutory\_notification\_units | statutory\_notification\_id | | | | INT | | |  | | | | | | |  | | | PK | | | |  | | | |
| client\_id | | | | INT | | |  | | | | | | |  | | | FK | | | | tbl\_client\_groups | | | |
| business\_group\_id | | | | INT | | |  | | | | | | |  | | |  | | | |  | | | |
| legal\_entity\_id | | | | INT | | |  | | | | | | |  | | |  | | | |  | | | |
| division\_id | | | | INT | | |  | | | | | | |  | | |  | | | |  | | | |
| unit\_id | | | | INT | | |  | | | | | | |  | | |  | | | |  | | | |
| **Statutory Notification Users** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | tbl\_statutory\_notification\_users | statutory\_notification\_id | | | | INT | | |  | | | | | | |  | | | FK | | | | tbl\_statutory\_notification\_units | | | |
| user\_id | | | | INT | | |  | | | | | | |  | | | FK | | | | tbl\_users | | | |
| read\_status | | | | TINYINT | | |  | | | | | | | 0 | | |  | | | | 1. Unread 2. Read | | | |

## Schema Definition – Client Database

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Table Name** | | | **Fields** | **Data type** | | | | | | | | | **Size** | | | | | | | **Default Value** | | | | | **Key** | | | | | | | **Reference** | | | | | | | |
| **Countries** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | tbl\_countries | | | country\_id | | | | | INT | | | | | | | | |  | | | | |  | | | | | | | PK | | | | | | |  | | | |
| country\_name | | | | | VARCHAR | | | | | | | | | 50 | | | | |  | | | | | | |  | | | | | | |  | | | |
| is\_active | | | | | TINYINT | | | | | | | | |  | | | | | 1 | | | | | | |  | | | | | | |  | | | |
| created\_by | | | | | INT | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| created\_on | | | | | TIMESTAMP | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| updated\_by | | | | | INT | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| updated\_on | | | | | TIMESTAMP | | | | | | | | |  | | | | | CURRENT\_TIMESTAMP | | | | | | |  | | | | | | |  | | | |
| **Domains** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | tbl\_domains | | | domain\_id | | | | | INT | | | | | | | | |  | | | | |  | | | | | | | PK | | | | | | |  | | | |
| domain\_name | | | | | VARCHAR | | | | | | | | | 50 | | | | |  | | | | | | |  | | | | | | |  | | | |
| is\_active | | | | | TINYINT | | | | | | | | |  | | | | | 1 | | | | | | |  | | | | | | |  | | | |
| created\_by | | | | | INT | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| created\_on | | | | | TIMESTAMP | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| updated\_by | | | | | INT | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| updated\_on | | | | | TIMESTAMP | | | | | | | | |  | | | | | CURRENT\_TIMESTAMP | | | | | | |  | | | | | | |  | | | |
| **Compliances** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | tbl\_compliances | | | compliance\_id | | | | | INT | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| statutory\_mapping | | | | | VARCHAR | | | | | | | | | 500 | | | | |  | | | | | | |  | | | | | | |  | | | |
| statutory\_provision | | | | | VARCHAR | | | | | | | | | 250 | | | | |  | | | | | | |  | | | | | | |  | | | |
| compliance\_task | | | | | VARCHAR | | | | | | | | | 100 | | | | |  | | | | | | |  | | | | | | |  | | | |
| compliance\_description | | | | | LONGTEXT | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| document\_name | | | | | VARCHAR | | | | | | | | | 100 | | | | |  | | | | | | |  | | | | | | |  | | | |
| format\_file | | | | | VARCHAR | | | | | | | | | 100 | | | | |  | | | | | | |  | | | | | | |  | | | |
| penal\_consequences | | | | | LONGTEXT | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| compliance\_frequency | | | | | VARCHAR | | | | | | | | | 100 | | | | |  | | | | | | |  | | | | | | | (OneTime / Periodical/ Review/ OnOccurrence) | | | |
| statutory\_dates | | | | | LONGTEXT | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | | json-string: list of  dictionaries with keys  statutory\_date, statutory\_month, trigger\_before\_days | | | |
| repeats\_every | | | | | INT | | | | | | | | | 100 | | | | |  | | | | | | |  | | | | | | |  | | | |
| repeats\_type | | | | | VARCHAR | | | | | | | | | 20 | | | | |  | | | | | | |  | | | | | | | (Yearly/ Monthly/ Days) | | | |
| duration | | | | | INT | | | | | | | | |  | | | | | 1 | | | | | | |  | | | | | | |  | | | |
| duration\_type | | | | | VARCHAR | | | | | | | | | 20 | | | | |  | | | | | | |  | | | | | | | (Hours/ Days) | | | |
| is\_active | | | | | TINYINT | | | | | | | | |  | | | | | 1 | | | | | | |  | | | | | | |  | | | |
| created\_by | | | | | INT | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| created\_on | | | | | TIMESTAMP | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| updated\_by | | | | | INT | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| updated\_on | | | | | TIMESTAMP | | | | | | | | |  | | | | | CURRENT\_TIMESTAMP | | | | | | |  | | | | | | |  | | | |
| **Client Settings** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | tbl\_client\_settings | | | domain\_ids | | | | | | VARCHAR | | | | | | | | 200 | | | | | |  | | | | | | |  | | | | | | | Multiple domain\_id   concatenated with “,” | | |
| logo | | | | | | VARCHAR | | | | | | | | 200 | | | | | |  | | | | | | |  | | | | | | |  | | |
| contract\_from | | | | | | DATE | | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | |
| contract\_to | | | | | | DATE | | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | |
| no\_of\_user\_licence | | | | | | INT | | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | |
| total\_disk\_space | | | | | | INT | | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | |
| is\_sms\_subscribed | | | | | | TINYINT | | | | | | | |  | | | | | | 0 | | | | | | |  | | | | | | |  | | |
| two\_levels\_of\_approval | | | | | | TINYINT | | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | |
| assignee\_reminder | | | | | | INT | | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | |
| escalation\_reminder\_In\_advance | | | | | | INT | | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | |
| escalation\_reminder | | | | | | INT | | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | |
| **Client Configurations** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | tbl\_client\_configurations | | | country\_id | | | | | | | INT | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_countries | | |
| domain\_id | | | | | | | INT | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_domains | | |
| period\_from | | | | | | | INT | | | | | | |  | | | | | |  | | | | | | |  | | | | | | | (1-12) | | |
| period\_to | | | | | | | INT | | | | | | |  | | | | | |  | | | | | | |  | | | | | | | (1-12) | | |
| created\_by | | | | | | | INT | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | |
| created\_on | | | | | | | TIMESTAMP | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | |
| updated\_by | | | | | | | INT | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | |
| updated\_on | | | | | | | TIMESTAMP | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | | |
| **Client User Groups** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | tbl\_client\_user\_groups | | | user\_group\_id | | | | | INT | | | | | | | |  | | | | | |  | | | | | | PK | | | | | | |  | | | | |
| user\_group\_name | | | | | VARCHAR | | | | | | | | 50 | | | | | |  | | | | | |  | | | | | | |  | | | | |
| form\_type | | | | | VARCHAR | | | | | | | | 20 | | | | | |  | | | | | |  | | | | | | | ( It/ Knowledge/ Techno/ Client/ ServiceProvider) | | | | |
| form\_ids | | | | | LONGTEXT | | | | | | | |  | | | | | |  | | | | | |  | | | | | | | Multiple form\_ids  concatenated with “,” | | | | |
| is\_active | | | | | TINYINT | | | | | | | |  | | | | | | 1 | | | | | |  | | | | | | |  | | | | |
| created\_by | | | | | INT | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | |
| created\_on | | | | | TIMESTAMP | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | |
| updated\_by | | | | | INT | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | |
| updated\_on | | | | | TIMESTAMP | | | | | | | |  | | | | | | CURRENT\_TIMESTAMP | | | | | |  | | | | | | |  | | | | |
| **Service Provider** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | tbl\_service\_provider | | servicer\_provider\_id | | | INT | | | | | | | | |  | | | | | | |  | | | | | PK | | | | | | |  | | | | | | |
| service\_provider\_name | | | VARCHAR | | | | | | | | | 50 | | | | | | |  | | | | |  | | | | | | |  | | | | | | |
| address | | | VARCHAR | | | | | | | | | 500 | | | | | | |  | | | | |  | | | | | | |  | | | | | | |
| contract\_from | | | DATE | | | | | | | | |  | | | | | | |  | | | | |  | | | | | | |  | | | | | | |
| contract\_to | | | DATE | | | | | | | | |  | | | | | | |  | | | | |  | | | | | | |  | | | | | | |
| contact\_person | | | VARCHAR | | | | | | | | | 50 | | | | | | |  | | | | |  | | | | | | |  | | | | | | |
| contact\_no | | | INT | | | | | | | | |  | | | | | | |  | | | | |  | | | | | | |  | | | | | | |
| created\_by | | | INT | | | | | | | | |  | | | | | | |  | | | | |  | | | | | | |  | | | | | | |
| created\_on | | | TIMESTAMP | | | | | | | | |  | | | | | | |  | | | | |  | | | | | | |  | | | | | | |
| updated\_by | | | INT | | | | | | | | |  | | | | | | |  | | | | |  | | | | | | |  | | | | | | |
| updated\_on | | | TIMESTAMP | | | | | | | | |  | | | | | | | CURRENT\_TIMESTAMP | | | | |  | | | | | | |  | | | | | | |
| **Client User Details** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | tbl\_client\_user\_details | | | user\_id | | | | INT | | | | | | | | | |  | | | | |  | | | | | | | PK | | | | | | |  | | | |
| email\_id | | | | VARCHAR | | | | | | | | | | 100 | | | | |  | | | | | | |  | | | | | | |  | | | |
| user\_group\_id | | | | INT | | | | | | | | | |  | | | | |  | | | | | | | FK | | | | | | | tbl\_client\_user\_groups | | | |
| employee\_name | | | | VARCHAR | | | | | | | | | | 50 | | | | |  | | | | | | |  | | | | | | |  | | | |
| employee\_code | | | | VARCHAR | | | | | | | | | | 50 | | | | |  | | | | | | |  | | | | | | | Optional for service providers | | | |
| contact\_no | | | | INT | | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| seating\_unit\_id | | | | INT | | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| user\_level | | | | INT | | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| country\_ids | | | | VARCHAR | | | | | | | | | | 250 | | | | |  | | | | | | |  | | | | | | | Multiple country\_ids  concatenated with “,” | | | |
| domain\_ids | | | | VARCHAR | | | | | | | | | | 250 | | | | |  | | | | | | |  | | | | | | | Multiple domain\_ids  concatenated with “,” | | | |
| unit\_ids | | | | LONGTEXT | | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | | Multiple units\_ids  concatenated with “,” | | | |
| is\_admin | | | | TINYINT | | | | | | | | | |  | | | | | 0 | | | | | | |  | | | | | | |  | | | |
| is\_service\_provider | | | | TINYINT | | | | | | | | | |  | | | | | 0 | | | | | | |  | | | | | | |  | | | |
| service\_provider\_id | | | | INT | | | | | | | | | |  | | | | |  | | | | | | | FK | | | | | | | tbl\_service\_provider | | | |
| created\_by | | | | INT | | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| created\_on | | | | TIMESTAMP | | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| updated\_by | | | | INT | | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| updated\_on | | | | TIMESTAMP | | | | | | | | | |  | | | | | CURRENT\_TIMESTAMP | | | | | | |  | | | | | | |  | | | |
| **Business Groups** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | tbl\_business\_groups | | | business\_group\_id | | | | | INT | | | | | | | | |  | | | | |  | | | | | | | PK | | | | | | |  | | | |
| business\_group\_name | | | | | VARCHAR | | | | | | | | | 100 | | | | |  | | | | | | |  | | | | | | |  | | | |
| created\_by | | | | | INT | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| created\_on | | | | | TIMESTAMP | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| updated\_by | | | | | INT | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| updated\_on | | | | | TIMESTAMP | | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | | | |
| **Legal Entities** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | tbl\_legal\_entities | | | legal\_entity\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | PK | | | | | | |  | | | | | |
| legal\_entity\_name | | VARCHAR | | | | | | | | | | 100 | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| business\_group\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_business\_groups | | | | | |
| created\_by | | INT | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| created\_on | | TIMESTAMP | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| updated\_by | | INT | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| updated\_on | | TIMESTAMP | | | | | | | | | |  | | | | | | CURRENT\_TIMESTAMP | | | | | |  | | | | | | |  | | | | | |
| **Divisions** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | tbl\_divisions | | | division\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | PK | | | | | | |  | | | | | |
| division\_name | | VARCHAR | | | | | | | | | | 100 | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| legal\_entity\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_legal\_entities | | | | | |
| business\_group\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_business\_groups | | | | | |
| created\_by | | INT | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| created\_on | | TIMESTAMP | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| updated\_by | | INT | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| updated\_on | | TIMESTAMP | | | | | | | | | |  | | | | | | CURRENT\_TIMESTAMP | | | | | |  | | | | | | |  | | | | | |
| **Units** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | tbl\_units | | | unit\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | PK | | | | | | |  | | | | | |
| division\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_divisions | | | | | |
| legal\_entity\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_legal\_entities | | | | | |
| business\_group\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_business\_groups | | | | | |
| country\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_countries | | | | | |
| geography\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_geographies | | | | | |
| unit\_code | | VARCHAR | | | | | | | | | | 50 | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| unit\_name | | VARCHAR | | | | | | | | | | 50 | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| industry\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_industries | | | | | |
| address | | VARCHAR | | | | | | | | | | 250 | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| postal\_code | | INT | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| domain\_ids | | VARCHAR | | | | | | | | | | 100 | | | | | |  | | | | | |  | | | | | | | Multiple domain\_id  concatenated with “,” | | | | | |
| is\_active | | TINYINT | | | | | | | | | |  | | | | | | 1 | | | | | |  | | | | | | |  | | | | | |
| created\_by | | INT | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| created\_on | | TIMESTAMP | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| updated\_by | | INT | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| updated\_on | | TIMESTAMP | | | | | | | | | |  | | | | | | CURRENT\_TIMESTAMP | | | | | |  | | | | | | |  | | | | | |
| **Assigned Compliances** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | tbl\_assigned\_compliances | | | country\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_countries | | | | | |
| unit\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_units | | | | | |
| compliance\_id | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_compliances | | | | | |
| trigger\_before\_days | | LONGTEXT | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | | json-string: list of  Dictionaries with keys  date, day | | | | | |
| due\_date | | DATE | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| validity\_date | | DATE | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| assignee | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_client\_user\_details | | | | | |
| concurrence\_person | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_client\_user\_details | | | | | |
| approval\_person | | INT | | | | | | | | | |  | | | | | |  | | | | | | FK | | | | | | | tbl\_client\_user\_details | | | | | |
| is\_reassigned | | TINYINT | | | | | | | | | |  | | | | | | 0 | | | | | |  | | | | | | |  | | | | | |
| is\_active | | TINYINT | | | | | | | | | |  | | | | | | 1 | | | | | |  | | | | | | |  | | | | | |
| created\_by | | INT | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| created\_on | | TIMESTAMP | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| updated\_by | | INT | | | | | | | | | |  | | | | | |  | | | | | |  | | | | | | |  | | | | | |
| updated\_on | | TIMESTAMP | | | | | | | | | |  | | | | | | CURRENT\_TIMESTAMP | | | | | |  | | | | | | |  | | | | | |
| **Compliance history** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | tbl\_compliance\_history | | | compliance\_history\_id | | | | | | | | INT | | | | | | | |  | | | | |  | | | | | | | PK | | | | | | | |  |
| unit\_id | | | | | | | | INT | | | | | | | |  | | | | |  | | | | | | | FK | | | | | | | | tbl\_units |
| compliance\_id | | | | | | | | INT | | | | | | | |  | | | | |  | | | | | | | FK | | | | | | | | tbl\_compliances |
| start\_date | | | | | | | | DATE | | | | | | | |  | | | | |  | | | | | | |  | | | | | | | |  |
| due\_date | | | | | | | | DATE | | | | | | | |  | | | | |  | | | | | | |  | | | | | | | |  |
| completion\_date | | | | | | | | TIMESTAMP | | | | | | | |  | | | | |  | | | | | | |  | | | | | | | |  |
| documents | | | | | | | | LONGTEXT | | | | | | | |  | | | | |  | | | | | | |  | | | | | | | |  |
| validity\_date | | | | | | | | DATE | | | | | | | |  | | | | |  | | | | | | |  | | | | | | | |  |
| next\_due\_date | | | | | | | | DATE | | | | | | | |  | | | | |  | | | | | | |  | | | | | | | |  |
| remarks | | | | | | | | VARCHAR | | | | | | | | 500 | | | | |  | | | | | | |  | | | | | | | |  |
| completed\_by | | | | | | | | INT | | | | | | | |  | | | | |  | | | | | | | FK | | | | | | | | tbl\_client\_user\_details |
| completed\_on | | | | | | | | TIMESTAMP | | | | | | | |  | | | | |  | | | | | | |  | | | | | | | |  |
| concurrence\_status | | | | | | | | VARCHAR | | | | | | | | 20 | | | | |  | | | | | | |  | | | | | | | | (Approved/ Rejected) |
| concurred\_by | | | | | | | | INT | | | | | | | |  | | | | |  | | | | | | |  | | | | | | | |  |
| concurred\_on | | | | | | | | TIMESTAMP | | | | | | | |  | | | | |  | | | | | | |  | | | | | | | |  |
| approve\_status | | | | | | | | VARCHAR | | | | | | | | 20 | | | | |  | | | | | | |  | | | | | | | | (Approved/ Rejected) |
| approved\_by | | | | | | | | INT | | | | | | | |  | | | | |  | | | | | | |  | | | | | | | |  |
| approved\_on | | | | | | | | TIMESTAMP | | | | | | | |  | | | | |  | | | | | | |  | | | | | | | |  |
| **Reassigned Compliances History** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | tbl\_reassigned\_ compliances\_history | | | unit\_id | | | | | | | | | INT | | | | | |  | | | | | |  | | | FK | | | | | | | tbl\_units | | | | | |
| compliance\_id | | | | | | | | | INT | | | | | |  | | | | | |  | | | FK | | | | | | | tbl\_compliances | | | | | |
| assignee | | | | | | | | | INT | | | | | |  | | | | | |  | | | FK | | | | | | | tbl\_client\_user\_details | | | | | |
| reassigned\_from | | | | | | | | | INT | | | | | |  | | | | | |  | | | FK | | | | | | | tbl\_client\_user\_details | | | | | |
| reassigned\_date | | | | | | | | | DATE | | | | | |  | | | | | |  | | |  | | | | | | |  | | | | | |
| remarks | | | | | | | | | VARCHAR | | | | | | 500 | | | | | |  | | |  | | | | | | |  | | | | | |
| created\_by | | | | | | | | | INT | | | | | |  | | | | | |  | | |  | | | | | | |  | | | | | |
| created\_on | | | | | | | | | TIMESTAMP | | | | | |  | | | | | |  | | |  | | | | | | |  | | | | | |
| updated\_by | | | | | | | | | INT | | | | | |  | | | | | |  | | |  | | | | | | |  | | | | | |
| updated\_on | | | | | | | | | TIMESTAMP | | | | | |  | | | | | | CURRENT\_TIMESTAMP | | |  | | | | | | |  | | | | | |
| **Compliance Activity Log** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | tbl\_compliance\_activity\_log | | | compliance\_activity\_id | | | | | | | | INT | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | |
| unit\_id | | | | | | | | INT | | | | | | | |  | | | | |  | | | | | | | FK | | | | | | | tbl\_units | |
| compliance\_id | | | | | | | | INT | | | | | | | |  | | | | |  | | | | | | | FK | | | | | | | tbl\_compliance | |
| activity\_date | | | | | | | | TIMESTAMP | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | |
| activity\_status | | | | | | | | VARCHAR | | | | | | | | 20 | | | | |  | | | | | | |  | | | | | | | Submitted/ Concurred/ Approved/ Rejected | |
| compliance\_status | | | | | | | | VARCHAR | | | | | | | | 20 | | | | |  | | | | | | |  | | | | | | | (Complied/ DelayedCompliance/ Inprogress/ NotComplied) | |
| remarks | | | | | | | | LONGTEXT | | | | | | | |  | | | | |  | | | | | | |  | | | | | | |  | |
| updated\_on | | | | | | | | TIMESTAMP | | | | | | | |  | | | | | CURRENT\_TIMESTAMP | | | | | | |  | | | | | | |  | |
| **Notifications Log** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | tbl\_notifications\_log | | | notification\_id | | | INT | | | | | | | | | | | |  | | | | | |  | | | | | | | PK | | | | | | |  | |
| notification\_type | | | VARCHAR | | | | | | | | | | | | 20 | | | | | |  | | | | | | |  | | | | | | | ( Notification/   Reminder/  Escalation) | |
| country\_id | | | INT | | | | | | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_countries | |
| domain\_id | | | INT | | | | | | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_domains | |
| business\_group\_id | | | INT | | | | | | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_business\_groups | |
| legal\_entity\_id | | | INT | | | | | | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_legal\_entities | |
| division\_id | | | INT | | | | | | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_divisions | |
| unit\_id | | | INT | | | | | | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_units | |
| statutory\_provision | | | VARCHAR | | | | | | | | | | | | 250 | | | | | |  | | | | | | |  | | | | | | |  | |
| compliance\_id | | | INT | | | | | | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_compliances | |
| assignee | | | INT | | | | | | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_client\_user\_details | |
| concurrence\_person | | | INT | | | | | | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_client\_user\_details | |
| approval\_person | | | INT | | | | | | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_client\_user\_details | |
| notification\_text | | | LONGTEXT | | | | | | | | | | | |  | | | | | |  | | | | | | |  | | | | | | |  | |
| extra\_details | | | LONGTEXT | | | | | | | | | | | |  | | | | | |  | | | | | | |  | | | | | | | (dictionary type in  JSON string) | |
| updated\_on | | | TIMESTAMP | | | | | | | | | | | |  | | | | | | CURRENT\_TIMESTAMP | | | | | | |  | | | | | | |  | |
| **Notifications User Log** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | tbl\_notification\_user\_log | | notification\_id | | | INT | | | | | | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_notifications\_log | |
| user\_id | | | INT | | | | | | | | | | | |  | | | | | |  | | | | | | | FK | | | | | | | tbl\_client\_user\_details | |
| read\_status | | | TINYINT | | | | | | | | | | | | 1 | | | | | | 0 | | | | | | |  | | | | | | | 1. Unread 2. Read | |
| updated\_on | | | TIMESTAMP | | | | | | | | | | | |  | | | | | | CURRENT\_TIMESTAMP | | | | | | |  | | | | | | |  | |

## Schema Diagram – Knowledge Database

## 

## 

**Note:** These documents are strictly for Mindssoft Technology with the specific client Aparajitha Corporate Services Private Limited use only. They shall not be shared with an external party other than the client concerned. These documents should always be kept securely from unauthorized use or disclosure to a third party.

Document Approval

Mindssoft Technology and Aparajitha have reviewed this document and agree that the contents of the document are accurate. Any changes to this document must be communicated in writing, approved and signed off by both parties.

|  |  |
| --- | --- |
| Signature | Signature |
| Date: | Date: |
| Name: N.R. Venkatesh Ram Mohan | Name: |
| Designation: Project Director | Designation: |
| Supplier: Mindssoft Technology | Client : Aparajitha |