**Database Design Document**

**Introduction:**

**Revision History:**

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| --- | --- | --- |
| **Document Version No.** | **Created/Updated By** | **Created/Updated On** |
|  |  |  |

**Tables:**

Table Name: Customer

|  |  |  |
| --- | --- | --- |
| Name of the Column | Data Type | Constraints  (PK, FK, Surrogate, UNIQUE, NOT NULL, etc.) |
| cust\_id | Varchar | PK, Surrogate |
| first\_name | varchar | NOT NULL |
| last\_name | Varchar | NOT NULL |
| Dob | Datetime | NOT NULL |
| Address | Varchar | NOT NULL |
| Phone\_no | Varchar | NOT NULL |
| PAN | Varchar | NOT NULL |
| Aadhar\_no | Varchar |  |
| Username | Varchar | NOT NULL |
| Password | Varchar | NOT NULL |

Table Name: Account

|  |  |  |
| --- | --- | --- |
| Name of the Column | Data Type | Constraints  (PK, FK, Surrogate, UNIQUE, NOT NULL, etc.) |
| Acc\_id | Varchar | PK, Surrogate |
| Cust\_id | Varchar | FK, NOT NULL |
| Acc\_type | Varchar | NOT NULL |
| Location | Varchar | NOT NULL |
| Balance | Integer | NOT NULL |
| Card\_no | Varchar |  |
| Cheque\_book\_no | Varchar | NOT NULL |
| Hot\_swap\_card\_no | Varchar | NOT NULL |

Table Name: Transaction

|  |  |  |
| --- | --- | --- |
| Name of the Column | Data Type | Constraints  (PK, FK, Surrogate, UNIQUE, NOT NULL, etc.) |
| Tx\_id | Varchar | PK |
| Tx\_type | Varchar | NOT NULL |
| Tx\_amount | Integer | NOT NUL |
| Tx\_from\_acc | Varchar | FK, NOT NULL |
| Tx\_to\_acc | Varchar | NOT NULL |
| Tx\_time | Datetime | NOT NULL |

Table Name: Fixed Deposit

|  |  |  |
| --- | --- | --- |
| Name of the Column | Data Type | Constraints  (PK, FK, Surrogate, UNIQUE, NOT NULL, etc.) |
| Fb\_id | Varchar | PK |
| Account\_no | Varchar | FK, NOT NULL |
| Interest\_rate | Integer | NOT NULL |
| Amount | Integer | NOT NULL |
| Period | Integer | NOT NULL |
| Maturity\_option | Varchar | NOT NULL |