### View Database Schema

It can be defined as the design of the database at the view level, which generally describes end-user interaction with database systems. At the view level, a user can interact with the system using an interface. Users are not aware of where and how data is stored

### 

**Purpose Black Organization Structure**

|  |
| --- |
| **CCGO** |
| * Risk Management |
| * Social Response |
| * Corporate Governance |
| * Stockholder Advocate |
| * Quality control |

|  |
| --- |
| **CSO** |
| * Sourcing |
| * Logistic |
| * Warehouse |
|  |
|  |

|  |
| --- |
| **CSOO** |
| * HR and Administration |
| * Investors Relation |
| * General Service |
|  |
|  |

|  |
| --- |
| **CFO** |
| * Finical Division |
| * Financial Accountant |
| * Tax Accountant |
|  |
|  |

|  |
| --- |
| **CTO** |
| * It Division |
| * Information Security |
|  |
|  |
|  |

|  |
| --- |
| **CTOO** |
| * Agriculture Division |
| * Agro-processing |
| * Retail Division |
| * E-Commerce |
|  |

|  |
| --- |
| **CMO**  **(Chief of Marketing Officer)** |
| * Marketing |
| * Sales |
|  |
|  |
|  |

**1. Financial -Schema**

|  |
| --- |
| **General\_Ledger\_Codes** |
| -general\_ledger\_code--pk  -general\_code\_description |

|  |
| --- |
| **Accounts** |
| -account\_id--pk  -account\_name  -bank \_ name  -date\_account\_opened  -date\_account\_closed |

|  |
| --- |
| **Transactions** |
| -transaction\_id  -account \_ id  -department \_ id  -staff \_ id  -transaction\_amount |

|  |
| --- |
| **Currencies** |
| - currency\_id--pk  - currency\_name |

|  |
| --- |
| **Periods** |
| -period\_id--pk  -period\_name  -date\_period\_start  -date\_period\_end |

### 

|  |
| --- |
| **Department** |
| -department\_id--pk  -department\_name |

### 

|  |
| --- |
| **Staff** |
| -staff\_id---  -staff\_name  -email\_address  -phone\_no |

### 

### 

**2. HR- Data base Schema**

-it contains Employees, Department, Location, Jobs, Job history and Director

|  |
| --- |
| **Departments** |
| -department\_id---pk  -department \_name  -director \_id--fk  -branch \_id----fk |

|  |
| --- |
| **Job\_History** |
| -employee\_id--fk  -start\_date  -end\_date  -job\_id--fk |

|  |
| --- |
| **Director** |
| -director\_id--pk  -director\_name  -phone\_no  -email |

|  |
| --- |
| **Employees** |
| -emp \_id--pk  -emp\_fname  -emp\_mname  -emp\_lname  -email  -phone\_number  -salary  -department \_id—fk  - job\_id --fk  -branch \_id---fk |

|  |
| --- |
| **Locations** |
| -branch \_id---pk  -branch \_name  -city  -country |

|  |
| --- |
| **Jobs** |
| -job\_id--pk  -job\_title  -min\_salary  -max\_salary |

**3. Retail Relational Database Schema**

- It contain product, vendor, store, region, soldvia, sales transaction and customer

|  |
| --- |
| **Branch** |
| -branch \_Id---pk  -branch \_name |

|  |
| --- |
| **Product** |
| -product \_id---pk  -Product \_name  -Product \_price  -vendor \_id--(fk)  -category \_id—(fk) |

|  |
| --- |
| **Vendor** |
| -vendor \_id---pk  -vendor \_name |

|  |
| --- |
| **Soldvia** |
| -product \_id--pk  -t \_id—fk  -no of items |

|  |
| --- |
| **Category** |
| -category \_id---pk  -category \_name |

|  |
| --- |
| **Store** |
| -store \_id--pk  -store \_zip  -region \_d---fk |

|  |
| --- |
| **Customer** |
| -customer\_id---pk  -customer\_name  -customer\_zip |

|  |
| --- |
| **SalesTransaction** |
| -t\_id--pk  -t\_date  -store\_id--fk  -customer\_id--fk |

**4. Invest relation Database Schema**

- It contain shareholder, Share, Certificate and sales agent

|  |
| --- |
| **Certificate** |
| -c \_id---pk  -from  -to  - Approval  -c \_no |

|  |
| --- |
| **Share** |
| -share \_id--pk  -share \_type  - each share price  -no of share  - paid\_ amount  -unpaid\_ amount  -premium  -total \_amount  -agreement \_date  -c \_id---fk  - investor \_ id--fk |

|  |
| --- |
| **Sales Agent** |
| -agent \_ id---pk  -agent \_ name  -phone \_no |

|  |
| --- |
| **Shareholder** |
| -investor \_id--pk  - investor \_ fname  - investor \_ mname  - investor \_ lname  -phone \_no  -email  -Address  -Representative  -c \_ id --fk  -agent \_ id--fk |

**5. Credit Database schema**

- It contain consumer, product, supplier, date and payment

|  |
| --- |
| **Customer** |
| -customer \_ id---pk  -customer \_ name  -address  -contact  -tin \_ no |

|  |
| --- |
| **Agreement** |
| -agreement \_id--pk  -agreement \_ date  - credit \_ limit  -approval  -remark  -customer \_id—fk |

|  |
| --- |
| **Credit** |
| -credit \_id--pk  -credit \_date  -credit \_value  -collected \_credit  -uncollected \_credit  -total  -remark  -customer \_id--fk |

**6.** **General Service Database Schema**

-it contains Asset, Item, Purchaser and logistics

|  |
| --- |
| **Asset** |
| -asset\_id---pk  -asset\_name  -asset \_quantity  -model  -serial\_no  -plate\_no(pb code)  -status  -user \_id---fk |

|  |
| --- |
| **Purchaser** |
| -pur\_id--pk  -pur\_name  -phone \_no  -date of purchasing |

|  |
| --- |
| **User** |
| -user \_id---pk  -user \_name  -user \_dept  -phone \_no  -location  -given \_date  -returned \_date |

|  |
| --- |
| **Item** |
| -item \_ id--pk  -item \_name  -model  -quantity  -unit\_price  -total\_price  -date  -pur \_id  -asset \_id--fk |

**7. KPDC Database Schema**

- It contain a table Product, Customer, Transaction, and Delivery

|  |
| --- |
| **Transaction** |
| -quantity  -unit\_ price  -total\_price  -t\_date  -customer \_ id--fk  -product \_ id--fk |

|  |
| --- |
| **Customer** |
| -customer \_ id---pk  -customer \_ name  - customer \_ address  - customer \_ contact  - |

|  |
| --- |
| **Delivery** |
| -delivered \_ id--pk  -delivered by  -deliver date  -product \_ id—fk  -customer \_ id--fk |

|  |
| --- |
| **Product** |
| -prod\_id  -prod\_name  -flavors  -unit\_price |

**8. KIPE Database Schema**

-it contains Farmer Info, Cluster Info, and Representative

|  |
| --- |
| **Farmer Info** |
| -farmer \_ id--pk  -farmer \_ name  -sex  -Region  -zone  -woreda  -Keble |

|  |
| --- |
| **Rep Info** |
| -rep\_id---pk  -rep\_name  -rep\_region  -rep\_zone  -rep\_woreda  -rep\_kebele  -phone\_no |

|  |
| --- |
| **Cluster Info** |
| -clus\_id---pk  -clus\_name  -clus area per Hectare  -shear\_amount  - rep\_id---fk  -farmer \_ id --fk |

**9. Project Management**

|  |
| --- |
| **Member** |
| -member \_id--pk  -member \_name  -member contact  -manager \_id--fk |

- It contains project, manager, members and budget

|  |
| --- |
| **Manager** |
| -manager \_id--pk  -manager \_ name  -manager \_contact  -manager \_ email |

|  |
| --- |
| **Project** |
| -project \_ id--pk  -project \_ name  - starting \_ date  -end \_ date  -remark  -manager \_id—fk  -member \_id—fk  -budget \_id--fk |

|  |
| --- |
| **Budget** |
| -budget \_id---pk  -total \_budget  -used –budget  -return \_budget |

**10. E-Commerce Database Schema**

-it contains Customer, Orders and Product

|  |
| --- |
| **Product** |
| -product \_id---pk  -product \_name  -unit \_price |

|  |
| --- |
| **Customer** |
| -customer \_id---pk  -customer \_name  -address  -contact |

|  |
| --- |
| **Orders** |
| - order \_id---pk  -quantity  -total \_price  -Payment Type  -Shipping Address  -date  -customer \_id---fk  -product \_id--fk  -total \_price |

**11. Logistics Database Schema**

-it contains Car Info, Model, owner Rental and User.

|  |
| --- |
| **Model** |
| -car \_ model  -chassis \_no  -engine \_no  -manu \_country  -car \_id---fk |

|  |
| --- |
| **Owner** |
| -owner \_id--pk  -owner \_name  -Address  -contact  -bank \_account  -car \_id--fk  -rental \_id--fk |

|  |
| --- |
| **Car Info** |
| * Car \_ id--pk * Car type * Plate \_no |

|  |
| --- |
| **user** |
| - user \_id--pk  -user \_name  -department  -car \_id—fk |

|  |
| --- |
| **Rental** |
| -rental \_id--pk  -daily \_price  -monthly \_price  -start \_date  -end \_date  -car \_id--fk |

**12. Partnership Database Schema**

-it contains Partner, Agreement and Department.

|  |
| --- |
| **Agreement** |
| - RF \_no--pk  -Type of business  - date of agreement  -partner \_id—fk  -department \_id---fk |

|  |
| --- |
| **Partners** |
| - partner \_id--pk  -partner \_name  -address  -contact  -email |

|  |
| --- |
| **Department** |
| - department \_id--pk  -department \_name  -director \_name  -Approval  - |