### 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

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**Purpose Black Organization Structure**

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

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| **CSO** |
| * Sourcing |
| * Logistic |
| * Warehouse |
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| **CSOO** |
| * HR and Administration |
| * Investors Relation |
| * General Service |
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| **CFO** |
| * Finical Division |
| * Financial Accountant |
| * Tax Accountant |
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| **CTO** |
| * It Division |
| * Information Security |
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| **CTOO** |
| * Agriculture Division |
| * Agro-processing |
| * Retail Division |
| * E-Commerce |
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| **CMO**  **(Chief of Marketing Officer)** |
| * Marketing |
| * Sales |
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**HR- Data base Schema**

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

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

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

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

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

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| **Branch** |
| -branch \_id---pk  -branch \_name  -city |

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

**Retail Relational Database Schema**

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

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

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

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

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| **Soldvia** |
| -product\_id--pk  -t\_id—fk  -noofitems |

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

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

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

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

**Invest relation Database Schema**

- It contain shareholder, Share, Certificate and sales agent

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

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| **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 |

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

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

**KPDC Database Schema**

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

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

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

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

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

**KIPE Database Schema**

-it contains Farmer Info, Cluster Info, and Representative

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

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

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

**Project Management**

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

- It contains project, manager, members and budget

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

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

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

**Logistics Database Schema**

**-**it contain Model, owner, car info, user and Rental

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

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

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

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

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