Mapping of ERD in Relational Schema

1. POLICY

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| PolicyID | Name | Co-insurance | Description | Deductible | Out of Pocket | Annual Coverage |

* Primary Key : ID
* Foreign Keys : None

1. BUYER

|  |  |  |
| --- | --- | --- |
| BuyerID | Name | Address |

* Primary Key : BuyerID
* Foreign Keys : None

1. PERSON

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PersonID | Name | Gender | Age | D.O.B | Address | IPflag | Agflag | Dflag | Salary |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Eductaion | Experience | Occupation | Designation | Commission | Married | **BuyerID** |

* Primary Key : PersonID
* Foreign Keys : FOREIGN KEY (BuyerID) REFERENCES BUYER(BuyerID)

1. BUYER POLICIES

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Auto-renew | Premium | Period | **Agent ID** | **BuyerID** | **PolicyID** |

* Primary Key : AgentID, BuyerID, PolicyID
* Foreign Keys : FOREIGN KEY (AgentID) REFERENCES PERSON(PersonID), FOREIGN KEY (BuyerID) REFERENCES BUYER(BuyerID), FOREIGN KEY (PolicyID) REFERENCES POLICY(PolicyID)

1. HOSPITAL

|  |  |
| --- | --- |
| HosptitalID | Name |

* Primary Key : HospitalID
* Foreign Keys : None

1. BRANCH

|  |  |  |
| --- | --- | --- |
| BranchID | Address | **HospitalID** |

* Primary Key : BranchID
* Foreign Keys : FOREIGN KEY (HospitalID) REFERENCES HOSPITAL(HospitalID)

1. WORKS-IN

|  |  |
| --- | --- |
| **HospitalID** | **DoctorID** |

* Primary Key : HospitalID, DoctorID
* Foreign Keys : FOREIGN KEY (HospitalID) REFERENCES HOSPITAL(HospitalID), FOREIGN KEY (DoctorID) REFERENCES PERSON(PersonID)

1. MEDICAL HISTORY

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **InsuredPersonID** | Height | Weight | Smoking | Alcohol  consumption | Injuries | Disease |

|  |  |
| --- | --- |
| Sugery | Birth place |

* Primary Key : InsuredPersonID
* Foreign Keys : FOREIGN KEY (InsuredPersonID) REFERENCES PERSON(PersonID)

1. TREATMENT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PersonID** | **BranchID** | Days | Start date | Diagnosis |

* Primary Key : PersonID, BranchID
* Foreign Keys : FOREIGN KEY (PersonID) REFERENCES PERSON(PersonID),

FOREIGN KEY (BranchID) REFERENCES BRANCH(BranchID)

1. CLAIM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ClaimID | Date | Description | Amount | Status | Severity |

* Primary Key : ClaimID
* Foreign Keys : None

1. CLAIM-SUBMISSION

|  |  |  |
| --- | --- | --- |
| **ClaimID** | **HospitalID** | **InsuredPersonID** |

* Primary Key : ClaimID, HospitalID, InsuredPersonID
* Foreign Keys : FOREIGN KEY (ClaimID) REFERENCES CLAIM(ClaimID), FOREIGN KEY (HospitalID) REFERENCES HOSPITAL(HospitalID), FOREIGN KEY (InsuredPesonID) REFERENCES PERSON(InsuredPersonID).

1. TRANSACTION

|  |  |  |  |
| --- | --- | --- | --- |
| TransactionID | Amount | Date | Method |

* Primary Key : TransactionID
* Foreign Keys : None

1. PREMIUIM-PAYMENTS

|  |  |
| --- | --- |
| **TransactionID** | **BuyerID** |

* Primary Key : TransactionID, BuyerID
* Foreign Keys : FOREIGN KEY (TransactionID) REFERENCES TRANSACTION(TransactionID), FOREIGN KEY (BuyerID) REFERENCES Buyer(BuyerID)

1. CLAIMS-PAYMENT

|  |  |
| --- | --- |
| **TransactionID** | **ClaimID** |

* Primary Key : TransactionID, ClaimID
* Foreign Keys : FOREIGN KEY (TransactionID) REFERENCES TRANSACTION(TransactionID), FOREIGN KEY (ClaimID) REFERENCES Claim(ClaimID)

1. BUYER CONTACT

|  |  |  |
| --- | --- | --- |
| **BuyerID** | Phone | Email |

* Primary Key : BuyerID, Phone, Email
* Foreign Keys : FOREIGN KEY (BuyerID) REFERENCES Buyer(BuyerID)

1. PERSON CONTACT

|  |  |  |
| --- | --- | --- |
| **PersonID** | Phone | Email |

* Primary Key : PersonID, Phone, Email
* Foreign Keys : FOREIGN KEY (PersonID) REFERENCES Person(PersonID)

1. HOSPITAL CONTACT

|  |  |  |
| --- | --- | --- |
| **BranchID** | Phone | Email |

* Primary Key : BranchID, Phone, Email
* Foreign Keys : FOREIGN KEY (BranchID) REFERENCES BRANCH(BranchID)