**Norm forms**

1. **First Normal Form (1NF).**

**Functional dependency**

**Functional dependency**

**Functional dependency**

**Full dependency**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| positionid | positiondesc | qualifid | qualifdesc | testid | testresult | drugid | drugname | drugdosage | drug price | Availability | Patientid | PFname | PLname | PdateBirth | Pemail | Paddress | Zip | Pphone | Pmedcard | Pinssurance | Prescription | Anamnesis | Diagnosis | Staffid | StaffFname | StaffLname | StaffdateB | Staffemail | Staffaddress | Zip | Staffphone | DStoreid | DSname | DSaddress | DSphone | DSopenhour | Hospitalid | Hname | Haddress | Hphone | Labid | testarrivetime | testdeptime | Sheduleid | AppNextdate | AppLastdate | AppHistory |

**Partial dependency**

**Transitive dependency**

**Transitive dependency**

**Partial dependency**

**Partial dependency**

**Partial dependency**

**Transitive dependency**

**Transitive dependency**

**Transitive dependency**

**Transitive dependency**

**nonkey columns**

**nonkey columns**

**nonkey columns**

**nonkey columns**

**nonkey columns**

**nonkey columns**

**nonkey columns**

**2: Tables in 2NF (No partial dependency)**

**Functional dependency**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Patientid** | PFname | PLname | PdateBirth | Pemail | Paddress | Zip | Pphone | Pmedcard | Pinssurance | Prescription | Anamnesis | Diagnosis | testid | testresult | Labid | testarrivetime | testdeptime | drugid | drugname | drugdosage | drug price | Availability | DStoreid | DSname | DSaddress | DSphone | DSopenhour |

**Transitive dependency**

**Transitive dependency**

**Transitive dependency**

**Transitive dependency**

**Transitive dependency**

**Functional dependency**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Staffid** | StaffFname | StaffLname | StaffdateB | Staffemail | Staffaddress | Zip | Staffphone | positionid | positiondesc | qualifid | qualifdesc |

**Transitive dependency**

**Transitive dependency**

|  |  |  |  |
| --- | --- | --- | --- |
| **Hospitalid** | Hname | Haddress | Hphone |

|  |  |  |  |
| --- | --- | --- | --- |
| **Sheduleid** | AppNextdate | AppLastdate | AppHistory |

**3: Tables in 3NF (No transitive dependency)**

Position

|  |  |
| --- | --- |
| **positionid** | positiondesc |

Qualification

|  |  |
| --- | --- |
| **qualifid** | qualifdesc |

Tests

|  |  |
| --- | --- |
| **testid** | testresult |

Drugs

|  |  |  |  |
| --- | --- | --- | --- |
| **drugid** | drugname | drugdosage | drug price |

Patient General Information

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Patientid** | PFname | PLname | PdateBirth | Pemail | Paddress | Zip | Pphone | Pmedcard | Pinssurance |

Staff Information

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Staffid** | StaffFname | StaffLname | StaffdateB | Staffemail | Staffaddress | Zip | Staffphone | **positionid** | **qualifid** |

Drug Stores Information

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DStoreid** | DSname | DSaddress | DSphone | DSopenhour | **drugid** |

Hospital Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Hospitalid** | Hname | Haddress | Hphone | **Staffid** |

Laboratory

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Labid** | testarrivetime | testdeptime | **Hospitalid** | **Patientid** | **Staffid** | **testid** |

Schedule

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sheduleid** | AppNextdate | AppLastdate | AppHistory | **Patientid** | **Staffid** |

Patient Treatment

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sheduleid** | **Patientid** | Prescription | Anamnesis | Diagnosis | **Hospitalid** | **Staffid** | **testid** |

Availability

|  |  |  |
| --- | --- | --- |
| **DStoreid** | **drugid** | availability |