**Entity: Position.** This table contains information about the position of the staff and its description.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Description** | **Type** | **Specification** | **Default** | **Required** | **Unique** | **Key(s)** |
| **id** | Number generated automatically | integer | 7 numeric characters |  | Yes | Yes | PK |
| **posdesc** | Description of the position(post) | character | 30 alpha-numeric characters |  | Yes | No |  |

**Entity: Qualification.**  This table contains information about the qualification of the staff and its description.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Description** | **Type** | **Specification** | **Default** | **Required** | **Unique** | **Key(s)** |
| **id** | Number generated automatically | integer | 7 numeric characters |  | Yes | Yes | PK |
| **qualdesc** | Description of the qualification.(Qualification title) | character | 30 alpha-numeric characters |  | Yes | No |  |

**Entity: Laboratory.**  This table contains information about the tests processing at a laboratory.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Description** | **Type** | **Specification** | **Default** | **Required** | **Unique** | **Key(s)** |
| **id** | Number generated automatically | integer | 5 numeric characters |  | Yes | Yes | PK |
| **labname** | The name of the laboratiry | character | 30 alpha-numeric characters |  | Yes | No |  |
| **labaddress** | The address of the laboratory | character | 30 alpha-numeric characters |  | Yes | No |  |
| **labphone** | The phone number of the laboratory | character | 17 alpha-numeric characters |  | Yes | Yes |  |

**Entity: Tests.**  This table contains information about the tests results.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Description** | **Type** | **Specification** | **Default** | **Required** | **Unique** | **Key(s)** |
| **id** | Number generated automatically | integer | 20 numeric characters |  | Yes | Yes | PK |
| **res** | Description of the results of the test | character | 1000 alpha-numeric characters |  | Yes | No |  |
| **ardate** | The date, when the test was delivered | Date | “MM/DD/YYYY”  format |  | Yes | No |  |
| **depdate** | The date, when the test was sent back | Date | “MM/DD/YYYY”  format |  | Yes | No |  |
| **labtid** | Laboratory information (as an id from laboratory entity) | integer | 5 numeric characters |  | Yes | No | FK |

**Entity: Drugstores.**  This table contains information about the drugstores.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Description** | **Type** | **Specification** | **Default** | **Required** | **Unique** | **Key(s)** |
| **id** | Number generated automatically | integer | 5 numeric characters |  | Yes | Yes | PK |
| **name** | Name of the drugstore | character | 30 alpha-numeric characters |  | Yes | No |  |
| **address** | Address of the drug store | character | 30 alpha-numeric characters |  | Yes | No |  |
| **phone** | Phone of the drug store | character | 17 alpha-numeric characters |  | Yes | Yes |  |
| **openh** | Open hours of the store | character | 10 alpha-numeric characters |  | Yes | No |  |
| **avlb** | A letter showing the availability of a drug | character | 1 character (‘N’/’Y’) format | ‘N’ | Yes | No |  |

**Entity: Drugs.**  This table contains information about the drugs name, dosage and the price.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Description** | **Type** | **Specification** | **Default** | **Required** | **Unique** | **Key(s)** |
| **id** | Number generated automatically | integer | 5 numeric characters |  | Yes | Yes | Composite PK |
| **name** | Name of the drug | character | 30 alpha-numeric characters |  | Yes | No |  |
| **dose** | Dosage and format of the drug | character | 30 alpha-numeric characters |  | Yes | No |  |
| **price** | Number | double | (6.2) floating-point number with 6 whole parts and 2 fractional parts |  | Yes | No |  |
| **storeid** | Number | integer | 5 numeric characters |  | Yes | No | Composite PK |

**Entity: Prescription.**  This table contains information about the patients’ prescriptions.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Description** | **Type** | **Specification** | **Default** | **Required** | **Unique** | **Key(s)** |
| **id** | Number generated automatically | integer | 10 numeric characters |  | Yes | Yes | PK |
| **prescription** | Information about prescriptions made for a patient | character | 1000 alpha-numeric characters |  | No | No |  |
| **drugid** | Number generated automatically | integer | 5 numeric characters |  | Yes | No | FK |

**Entity: Patient.**  This table contains general information about the patient.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Description** | **Type** | **Specification** | **Default** | **Required** | **Unique** | **Key(s)** |
| **id** | Number generated automatically | integer | 11 numeric characters |  | Yes | Yes | PK |
| **fname** | Patient’s first name | character | 30 alpha-numeric characters |  | Yes | No |  |
| **lname** | Patient’s last name | character | 30 alpha-numeric characters |  | Yes | No |  |
| **bdate** | Patient’s date of birth | Date | “MM/DD/YYYY”  format |  | Yes | No |  |
| **email** | Patient’s e-mail | character | 30 alpha-numeric characters |  | No | Yes |  |
| **address** | Patient’s address | character | 30 alpha-numeric characters |  | Yes | No |  |
| **zip** | Patient’s ZIP code | character | 7 alpha-numeric characters |  | Yes | No |  |
| **phone** | Phone of the drug store | character | 17 alpha-numeric characters |  | Yes | Yes |  |
| **medcard** | Patient’s medical card number | character | 15 alpha-numeric characters |  | Yes | Yes |  |
| **inssurance** | Patient’s insurance number | character | 300 alpha-numeric characters |  | No | Yes |  |
| **anamnesis** | Description of patient’s anamnesis | character | 3000 alpha-numeric characters |  | Yes | No |  |
| **diagnosis** | Information about patien’s diagnosis | character | 100 alpha-numeric characters |  | No | No |  |
| **prescid** | Information about prescription(as an id from prescription entity) | integer | 10 numeric characters |  | Yes | No | FK |

**Entity: staff.**  This table contains information about the staff.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Description** | **Type** | **Specification** | **Default** | **Required** | **Unique** | **Key(s)** |
| **id** | Number generated automatically | integer | 7 numeric characters |  | Yes | Yes | PK |
| **fname** | Employee’s first name | character | 30 alpha-numeric characters |  | Yes | No |  |
| **lname** | Employee’s last name | character | 30 alpha-numeric characters |  | Yes | No |  |
| **bdate** | Employee’s date of birth | Date | “MM/DD/YYYY”  format |  | Yes | No |  |
| **email** | Employee’s email address | character | 30 alpha-numeric characters |  | No | Yes |  |
| **address** | Employee’s address | character | 30 alpha-numeric characters |  | Yes | No |  |
| **zip** | Employee’s ZIP code | character | 7 alpha-numeric characters |  | Yes | No |  |
| **phone** | Employee’s phone | character | 17 alpha-numeric characters |  | Yes | Yes |  |
| **posid** | Employee’s position (as an id from the position entity) | character | 7 alpha-numeric characters |  | Yes | No | FK |
| **qualid** | Employee’s qualification (as an id from the qualification entity) | character | 7 alpha-numeric characters |  | Yes | Yes | FK |
| **hospid** | Information about hospital(as an id from hospital entity) | integer | 5 numeric characters |  | Yes | No | FK |

**Entity: hospital.**  This table contains information about the hospital.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Description** | **Type** | **Specification** | **Default** | **Required** | **Unique** | **Key(s)** |
| **id** | Number generated automatically | integer | 5 numeric characters |  | Yes | Yes | PK |
| **name** | Name of the drugstore | character | 30 alpha-numeric characters |  | Yes | No |  |
| **address** | Address of the drug store | character | 30 alpha-numeric characters |  | Yes | No |  |
| **phone** | Phone of the drug store | character | 17 alpha-numeric characters |  | Yes | Yes |  |

**Entity: schedule.**  This table contains information about schedule of appointments of a certain patient to a certain medical staff.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Description** | **Type** | **Specification** | **Default** | **Required** | **Unique** | **Key(s)** |
| **id** | Number generated automatically | integer | 7 numeric characters |  | Yes | Yes | Composite PK |
| **patientid** | Information about patient (as an id from patient entity) | integer | 11 numeric characters |  | Yes | No | Composite PK |
| **sdate** | The date, when the next appointment is scheduled | Date | “MM/DD/YYYY”  format |  | Yes | No |  |
| **staffid** | Staff information (as an id from staff entity) | integer | 7 numeric characters |  | Yes | No | FK |
| **testid** | testinformation (as an id from tests entity) | integer | 20 numeric characters |  | Yes | No | FK |