**Crime Record And Investigation Database**

**Database Schema**

Victims

|  |  |  |
| --- | --- | --- |
| **Attributes** | **Datatypes** | **Constraint** |
| Victim\_id | Number(10) | Primary key |
| Vname | Varchar2(20) |  |
| Location | Varchar2(20) |  |
| Contact | Varchar2(12) | Unique |
| Id\_type | Varchar2(10) |  |
| Id\_number | Varchar2(20) | Unique |

Criminals

|  |  |  |
| --- | --- | --- |
| **Attributes** | **Datatypes** | **Constraint** |
| Criminal\_id | Varchar2 (10) | Primary key |
| Cname | Varchar2(20) |  |
| Alias | Varchar2(20) |  |
| DOB | Date |  |
| Gender | Varchar2(1) | Check(m,f,o) |
| Address\_detail | Varchar2(20) |  |
| Arrest\_date | Date |  |

Officers

|  |  |  |
| --- | --- | --- |
| **Attributes** | **Datatypes** | **Constraint** |
| Officer\_id | number (10) | Primary key |
| Oname | Varchar2(20) |  |
| Department | Varchar2(20) |  |
| Contact | Varchar2(10) | Unique |
| Id\_type | Varchar2(10) |  |
| Id\_number | Varchar2(20) | Unique |
| Rank\_detail | Varchar2(20) |  |

Cases

|  |  |  |
| --- | --- | --- |
| **Attributes** | **Datatypes** | **Constraint** |
| Case\_id | Varchar2 (10) | Primary key |
| Case\_type | Varchar2(20) |  |
| Case\_date | Date |  |
| Location | Varchar2(30) |  |
| Description | Varchar2(40) |  |
| Status | Varchar2(10) | Check(open,solved,closed) |
| Investigat\_officer\_id | number (10) | Foreign key (referenced officers) |

Investigations

|  |  |  |
| --- | --- | --- |
| **Attributes** | **Datatypes** | **Constraint** |
| Investigat\_id | Varchar2 (10) | Primary key |
| Case\_id | Varchar2(10) | Foreign key (referenced cases) |
| start\_date | Date |  |
| End\_date | Date |  |
| Notes | Varchar2(40) |  |
| Status | Varchar2(15) | Check(in-progress,closed) |

Evidence

|  |  |  |
| --- | --- | --- |
| **Attributes** | **Datatypes** | **Constraint** |
| Eid | Varchar2 (10) | Primary key |
| Evidence\_type | Varchar2( 20) |  |
| Investigat\_id | Varchar2(10) | Foreign key(referenced Investigations) |
| Collected\_by\_oid | Number(10) | Foreign key (referenced officers) |
| Collected\_date | Date |  |
| Description | Varchar2(70) |  |

Witness

|  |  |  |
| --- | --- | --- |
| **Attributes** | **Datatypes** | **Constraint** |
| Witness\_id | number (10) | Primary key |
| Witness\_name | Varchar2( 20) |  |
| Contact | Varchar2(10) | Unique |
| Statement | Varchar2 (70) |  |
| Stmt\_date | Date |  |
| Id\_type | Varchar2(10) |  |
| Id\_number | Number(10) | Unique |
| Case\_id | Varchar2(10) | Foreign key (referenced cases) |

Chargesheet

|  |  |  |
| --- | --- | --- |
| **Attributes** | **Datatypes** | **Constraint** |
| Id | Varchar2(10) | Primary key |
| Case\_id | Varchar2( 10) | Foreign key (referenced cases) |
| Filed\_date | Date |  |
| Details | Varchar2 (40) |  |
| Submitted\_by | Number(10) | Foreign key (referenced officers) |

Criminal\_crime\_link

|  |  |  |
| --- | --- | --- |
| **Attributes** | **Datatypes** | **Constraint** |
| Id | Varchar2(10) | Primary key |
| Criminal\_id | Varchar2(10) | Foreign key (referenced criminals) |
| Case\_id | Varchar2(10) | Foreign key (referenced cases) |
| Role\_in\_crime | Varchar2 (10) | Check(accused,convicted,suspect) |

Case\_victim\_link

|  |  |  |
| --- | --- | --- |
| **Attributes** | **Datatypes** | **Constraint** |
| Id | Number (10) | Primary key |
| Case\_id | Varchar2( 10) | Foreign key (referenced cases) |
| Victim\_id | Number(10) | Foreign key (referenced victims) |