|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Table | Column | Data Type | Default value | Constraint | Condition |
| Criminals | Criminal\_ID | NUMBER(6, 0) |  | Primary key |  |
|  | Last | VARCHAR(15) |  | NOT NULL |  |
|  | First | VARCHAR(10) |  | NOT NULL |  |
|  | Street | VARCHAR(30) |  |  |  |
|  | City | VARCHAR(20) |  |  |  |
|  | State | CHAR(2) |  |  |  |
|  | Zip | CHAR(5) |  |  |  |
|  | Phone | CHAR(10) |  |  |  |
|  | V\_status | CHAR(1) | ‘N’ | CHECK  NOT NULL | in (‘N’, ‘Y’) |
|  | P\_status | CHAR(1) | ‘N’ | CHECK  NOT NULL | in (‘N’, ‘Y’) |
| Aliases | Alias\_ID | NUMBER(6) |  | Primary key |  |
|  | Criminal\_ID | NUMBER(6, 0) |  | Foreign key – reference Criminals table  NOT NULL |  |
|  | Alias | VARCHAR(20)  (updated from 10 in chap 3B) |  | NOT NULL |  |
| Crimes | Crime\_ID | NUMBER(9, 0) |  | Primary key |  |
|  | Criminal\_ID | NUMBER(6, 0) |  | Foreign key – reference Criminals table  NOT NULL |  |
|  | Classification | CHAR(1) | ‘U’ (Updated in Chap 3B) | CHECK  NOT NULL | in (‘F’, ‘M’, ‘O’, ‘U’) |
|  | Date\_charged | DATE |  | NOT NULL |  |
|  | Status | CHAR(2) |  | CHECK  NOT NULL | in (‘CL’, ‘CA’, ‘LA’) |
|  | Hearing\_date | DATE |  | CHECK  NOT NULL | Hearing\_date <= Date\_charged |
|  | Appeal\_cut\_date | DATE |  | Computed column | Hearing\_date + 60 |
|  | Date\_recorded (newer column) | DATE | SYSDATE | NOT NULL |  |
| Sentences | Sentence\_ID | NUMBER(6) |  | Primary key |  |
|  | Criminal\_ID | NUMBER(6) |  | Foreign key – reference Criminals table  NOT NULL |  |
|  | Type | CHAR(1) |  | CHECK  NOT NULL | in (J, H, P) |
|  | Prob\_ID | NUMBER(5) |  | Foreign key – reference Prob\_officers  NOT NULL |  |
|  | Start\_date | DATE | SYSDATE | CHECK  NOT NULL | Start\_date < End\_date |
|  | End\_date | DATE |  | CHECK  NOT NULL | End\_date < Start\_date |
|  | Violations | NUMBER(3) |  | CHECK  NOT NULL | Violations >= 0 |
| Prob\_officers | Prob\_ID | NUMBER(5) |  | Primary Key |  |
|  | Last | VARCHAR(15) |  | NOT NULL |  |
|  | First | VARCHAR(10) |  | NOT NULL |  |
|  | Street | VARCHAR(30) |  | NOT NULL |  |
|  | City | VARCHAR(20) |  | NOT NULL |  |
|  | State | CHAR(2) |  | NOT NULL |  |
|  | Zip | CHAR(5) |  | NOT NULL |  |
|  | Pager#  (newer column) | CHAR(12) |  | NOT NULL UNIQUE |  |
|  | Phone | CHAR(10) |  | NOT NULL UNIQUE |  |
|  | Email | VARCHAR(30) |  | NOT NULL UNIQUE |  |
|  | Status | CHAR(1) |  | CHECK  NOT NULL | IN (A, I) |
| Crime\_charges | Charge\_ID | NUMBER(10, 0) |  | Primary Key |  |
|  | Crime\_ID | NUMBER(9, 0) |  | Foreign Key – references crimes  NOT NULL |  |
|  | Crime\_code | NUMBER(3, 0) |  | Foreign Key – references Appeals  NOT NULL |  |
|  | Charge\_status | CHAR(2) | ‘PD’ | CHECK  NOT NULL | IN (PD, GL, HG) |
|  | Fine\_amount | NUMBER(7, 2) |  | CHECK  NOT NULL | Fine\_amount >= 0 |
|  | Court\_fee | NUMBER(7, 2) |  | CHECK  NOT NULL | Court\_fee >= 0 |
|  | Amount\_paid | NUMBER(7, 2) | 0 | Check  NOT NULL | Amount\_paid >= 0 AND Amount\_paid <= Fine\_amount) |
|  | Pay\_due\_date | DATE |  | NOT NULL |  |
| Crime\_officers | Crime\_ID | NUMBER(9, 0) |  | Foreign Key – references Crimes  NOT NULL |  |
|  | Officer\_ID | NUMBER(8, 0) |  | Foreign Key – references Officers  NOT NULL |  |
| Officers | Officer\_ID | NUMBER(8, 0) |  | Primary Key |  |
|  | Last | VARCHAR(15) |  | NOT NULL |  |
|  | First | VARCHAR(10) |  | NOT NULL |  |
|  | Precinct | CHAR(4) |  | NOT NULL |  |
|  | Badge | VARCHAR(14) |  | NOT NULL Unique |  |
|  | Phone | CHAR(10) |  | NOT NULL Unique |  |
|  | Status | CHAR(1) | ‘A’ | CHECK  NOT NULL | in (A, I) |
| Appeals | Appeal\_ID | NUMBER(5) |  | Primary Key |  |
|  | Crime\_ID | NUMBER(9, 0) |  | Foreign Key – references Crimes  NOT NULL |  |
|  | Filing\_date | DATE |  | CHECK (not implemented in code)  NOT NULL | (Not sure how to implement this:  “filing date must be after the court hearing date in crimes table”). |
|  | Hearing\_date | DATE |  | CHECK  NOT NULL | filing date < hearing date |
|  | Status | CHAR(1) | ‘P’ | CHECK  NOT NULL | in (P, A, D) |
| Crime\_codes | Crime\_code | NUMBER(3, 0) |  | Primary Key |  |
|  | Code\_description | VARCHAR(30) |  | NOT NULL |  |