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| --- | --- | --- | --- |
| Ahsanullah University of Science and Technology | | | |
| Department of Computer Science and Engineering | | | |
|  |  | |  |
|  | | | |
| Project Name : | | **A System Management** | |
| **Couse Name:** | | Database Lab | |
| **Couse ID:** | | CSE 3104 |  |
| **Semester :** | | Spring 2022 |  |
|  | |  |  |
| **Student ID :** | | **Student Name** | |
| 20200104128 | | Tabassum Tara Lamia | |
| 20200104129 | | Parvez Ahammed | |
| 20200104130 | | Mirazur Zim | |

Database Tables:

**Table 01: Lawyers**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Constraint** |
| Lawyer Id | Int | P.K (IS: 1001) |
| FirstName | Varchar(50) | Not Null |
| LastName | Varchar(50) | Not Null |
| Email | Varchar(40) | Not Null |
| Password | Varchar(50) | Not Null |
| Phone Number | Varchar (14) | Not Null |
| Date of birth | Date | Not Null |
| Sex | Varchar(10) | Null |

**Table 02: Tasks**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Constraint** |
| TaskId | Int | P.K (IS: 3001) |
| Task Details | Varchar(50) | Not Null |
| Deadline | Date and Time | Not Null |
| Priority | Varchar(10) | Not Null |
| Lawyer Id | int | F.K (**LAWYERS**) |
| Task Status | Varchar(10) | Not Null |
| Completed Time | Date and Time | Null |
| Created Time | Date and Time | Null |

**Table 03: Clients**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Constraint** |
| ClientId | Int | P.K (IS: 2001) |
| FirstName | Varchar(50) | Not Null |
| LastName | Varchar(50) | Not Null |
| Email | Varchar(40) | Not Null |
| Password | Varchar(50) | Not Null |
| Phone Number | Varchar (14) | Not Null |
| Location | Varchar (50) | Not Null |

**Table 04: DOCUMENTS**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Constraint** |
| DocumentId | Int | P.K (IS: 5001) |
| Document Type | Varchar(50) | Not Null |
| ClientId | Int | F.K (**CLIENTS**) |
| Document Location | Varchar(40) | Not Null |

**Table 06: NOTE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Constraint** |
| NoteId | Int | P.K (IS: 6001) |
| ClientID | Int | F.K (**CLIENTS**) |
| ModifiedBy | Int | F.K (**LAWYERS**) |
| Created By | Int | F.K (**LAWYERS**) |
| Note | Varchar(70) | Not Null |

**Table 07: CASE**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Constraint** |
| CaseId | Int | P.K (IS: 6001) |
| ClientID | Int | F.K (**CLIENTS**) |
| Category | Varchar(50) | Not Null |
| CaseWorker | Int | F.K (**LAWYERS**) |
| Introduced By | Int | F.K (**LAWYERS**) |
| Location | Varchar(50) | Not Null |
| Opening Data | Date and Time | Not Null |
| PaymentId | Int | F.K (**PAYMENTS**) |

**Table 08: PAYMENT**

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Constraint** |
| PaymentId | Int | P.K (IS: 6001) |
| ClientID | Int | F.K (**CLIENTS**) |
| Payment time | Varchar(50) | Not Null |
| status | Varchar(20) | Not Null |
| Amount | Int | Not Null |

**Entity Relationship Diagram:**

1. **Draw in another place and then paste that here.**
2. **You should use pen-pencil first to make the scratch, and then you need to draw this in MS Visio software. You can also draw the diagram in online in *www.creately.com*** . **Export your image in .png format.**
3. **Don’t forget to mention cardinality constraints and cardinality ratio.**
4. **Finally delete all this [1-4] instruction and paste the image here. Adjust the image and make the file PDF before print the document.**
5. **Submit the document on the deadline, otherwise you will not get the full marks.**