**MILESTONE 3**



**Spring 2025**

**CSE-403L Database Management System Lab**

Submitted by: **Ayesha Fayyaz (2123)**

**Noor ul huda (2117)**

**Uswa Asad (2131)**

**Aleshba Aaina (2202)**

Semester: **6th**

Section: **B**

“On my honor, as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work.”

Submitted to:

**Engr. Sumayyea Salahuddin**

(June 3, 2025)

Department of Computer Systems Engineering

University of Engineering and Technology, Peshawar

# Mental Health Counselling Database

**A. List of All Relevant Tables**

1. admin
2. appointment
3. cash
4. credit
5. doctor
6. inperson\_session
7. medical\_records
8. mobilefinance
9. onlinepayment
10. online\_session
11. payment
12. register
13. session
14. user

**B. Metadata for Each Table**

**Table: user**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraints** |
| UID | INT | PRIMARY KEY, AUTO\_INCREMENT |
| Name | VARCHAR(100) |  |
| email | VARCHAR(255) |  |
| password | VARCHAR(255) |  |
| phone | VARCHAR(20) |  |

**Table: register**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraints** |
| RID | INT | PRIMARY KEY, AUTO\_INCREMENT |
| UID | INT | FOREIGN KEY → user(UID) |
| name | VARCHAR(100) |  |
| pass | VARCHAR(100) |  |

**Table: doctor**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraints** |
| DID | INT | PRIMARY KEY, AUTO\_INCREMENT |
| name | VARCHAR(100) |  |
| phone | VARCHAR(20) |  |
| email | VARCHAR(100) |  |
| password | VARCHAR(255) |  |

**Table: admin**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraints** |
| AID | INT | PRIMARY KEY, AUTO\_INCREMENT |
| name | VARCHAR(100) |  |
| phone | VARCHAR(20) |  |
| email | VARCHAR(100) |  |
| password | VARCHAR(255) |  |

**Table: appointment**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraints** |
| Anum | INT | PRIMARY KEY, AUTO\_INCREMENT |
| UID | INT | FOREIGN KEY → user(UID) |
| DID | INT | FOREIGN KEY → doctor(DID) |
| AID | INT | FOREIGN KEY → admin(AID) |
| time | TIME |  |
| day | DATE |  |
| payment\_status | VARCHAR(20) | DEFAULT 'Unpaid' |
| appointment\_status | VARCHAR(20) | DEFAULT 'Pending' |
| status | VARCHAR(50) |  |
| mode | VARCHAR(20) | DEFAULT 'Physical' |
| online\_email | VARCHAR(255) |  |
| rescheduled\_at | DATETIME |  |

**Table: payment**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraints** |
| PID | INT | PRIMARY KEY, AUTO\_INCREMENT |
| UID | INT | FOREIGN KEY → user(UID) |
| Anum | INT | FOREIGN KEY → appointment(Anum) |
| type | VARCHAR(50) |  |
| Amt | DECIMAL(10,2) |  |
| txn\_id | VARCHAR(100) |  |
| proof | VARCHAR(255) | File path to uploaded proof image |
| status | ENUM | pending, approved, rejected |

**Table: credit, onlinepayment, mobilefinance**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraints** |
| PID | INT | PRIMARY KEY, FK → payment(PID) |

**Table: cash**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraints** |
| CID | INT | PRIMARY KEY, AUTO\_INCREMENT |
| PID | INT | FOREIGN KEY → payment(PID) |
| created\_at | TIMESTAMP |  |
| updated\_at | TIMESTAMP |  |

**Table: session**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraints** |
| SID | INT | PRIMARY KEY, AUTO\_INCREMENT |
| Anum | INT | FOREIGN KEY → appointment(Anum) |
| type | ENUM | Online or Physical |
| created\_at | TIMESTAMP | DEFAULT CURRENT\_TIMESTAMP |

**Table: online\_session**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraints** |
| SID | INT | PRIMARY KEY |
| email | VARCHAR(255) |  |
| meet\_link | TEXT |  |

**Table: inperson\_session**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraints** |
| SID | INT | PRIMARY KEY |
| clinic\_address | TEXT |  |

**Table: medical\_records**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Constraints** |
| MRID | INT | PRIMARY KEY, AUTO\_INCREMENT |
| Anum | INT | FOREIGN KEY → appointment(Anum) |
| issue | TEXT |  |
| medicine | TEXT |  |
| notes | TEXT |  |

**C. Keys Summary**

|  |  |  |
| --- | --- | --- |
| **Table** | **Primary Key(s)** | **Foreign Key(s)** |
| User | UID | — |
| register | RID | UID → user(UID) |
| Doctor | DID | — |
| Admin | AID | — |
| appointment | Anum | UID → user, DID → doctor, AID → admin |
| Payment | PID | UID → user, Anum → appointment |
| Credit | PID | PID → payment |
| mobilefinance | PID | PID → payment |
| onlinepayment | PID | PID → payment |
| Cash | CID | PID → payment |
| session | SID | Anum → appointment |
| online\_session | SID | — (linked to session SID) |
| inperson\_session | SID | — (linked to session SID) |
| medical\_records | MRID | Anum → appointment |

**D. Tables**

