# Database Tables

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| --- | --- | --- |
| User Table | | |
| Field Name | Data Type | Constraints |
| UserID | INT | PRIMARY KEY, AUTO\_INCREMENT |
| Name | VARCHAR | NOT NULL |
| Email | VARCHAR | UNIQUE, NOT NULL |
| Password | VARCHAR | NOT NULL |
| Role | ENUM | NOT NULL (Teacher/Student) |

|  |  |  |
| --- | --- | --- |
| Reminder Table | | |
| Field Name | Data Type | Constraints |
| ReminderID | INT | PRIMARY KEY, AUTO\_INCREMENT |
| Title | VARCHAR | NOT NULL |
| Description | TEXT |  |
| DueDate | DATETIME | NOT NULL |
| Category | ENUM | NOT NULL (Assignment/Exam/Event) |
| UserID | INT | FOREIGN KEY REFERENCES User(UserID) |

## Notification Table

|  |  |  |
| --- | --- | --- |
| Notification Table | | |
| Field Name | Data Type | Constraints |
| NotificationID | INT | PRIMARY KEY, AUTO\_INCREMENT |
| Message | TEXT | NOT NULL |
| SentDate | DATETIME | NOT NULL |
| ReminderID | INT | FOREIGN KEY REFERENCES Reminder(ReminderID) |
| UserID | INT | FOREIGN KEY REFERENCES User(UserID) |

## Assignment Table

|  |  |  |
| --- | --- | --- |
| Assignment Table | | |
| Field Name | Data Type | Constraints |
| AssignmentID | INT | PRIMARY KEY, AUTO\_INCREMENT |
| Title | VARCHAR | NOT NULL |
| Details | TEXT |  |
| DueDate | DATETIME | NOT NULL |
| TeacherID | INT | FOREIGN KEY REFERENCES User(UserID) |

## StudentAssignment Table

|  |  |  |
| --- | --- | --- |
| Student Assignment Table | | |
| Field Name | Data Type | Constraints |
| StudentAssignmentID | INT | PRIMARY KEY, AUTO\_INCREMENT |
| AssignmentID | INT | FOREIGN KEY REFERENCES Assignment(AssignmentID) |
| StudentID | INT | FOREIGN KEY REFERENCES User(UserID) |