|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Field | |  | | --- | | **Data Type** |  |  | | --- | |  | | Description | | **Constraints** | | --- |  |  | | --- | |  | |
| first\_name | |  | | --- | | VARCHAR(100) |  |  | | --- | |  | | |  | | --- | | User's first name |  |  | | --- | |  | | |  | | --- | | NOT NULL |  |  | | --- | |  | |
| last\_name | |  | | --- | | VARCHAR(100) |  |  | | --- | |  | | |  | | --- | | User's last name |  |  | | --- | |  | | |  | | --- | | NOT NULL |  |  | | --- | |  | |
| email | |  | | --- | | VARCHAR(255) |  |  | | --- | |  | | User's email address | |  | | --- | | UNIQUE, NOT NULL |  |  | | --- | |  | |
| password | |  | | --- | | VARCHAR(255) |  |  | | --- | |  | | Encrypted password | |  | | --- | | NOT NULL |  |  | | --- | |  | |
| |  | | --- | | phone\_number |  |  | | --- | |  | | |  | | --- | | VARCHAR(15) |  |  | | --- | |  | | User's contact number | NULLABLE |
| address | TEXT | User's address (if relevant for installations) | NULLABLE |
| user\_role | |  | | --- | | ENUM('user', 'admin') |  |  | | --- | |  | | Role of the user (admin or regular user) | |  | | --- | | NOT NULL |  |  | | --- | |  | |
| |  | | --- | | created\_at |  |  | | --- | |  | | DATETIME | Timestamp of user account creation | NOT NULL |
| updated\_at | DATETIME | Timestamp of the last account update | NULLABLE |
| user\_id | INT | Unique ID for each user | PRIMARY KEY, AUTO\_INCREMENT |