**User Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| id | INT | Primary key (auto-increment) |
| username | VARCHAR(150) | Unique username for the user |
| password | VARCHAR(128) | Password hash for the user |
| email | VARCHAR(254) | User's email address |
| first\_name | VARCHAR(150) | User's first name |
| last\_name | VARCHAR(150) | User's last name |
| role | VARCHAR(20) | Role of the user (Community Member, Organizer, Admin, Community Admin) |
| phone\_number | VARCHAR(15) | User's phone number |
| interests | TEXT | User's interests |
| social\_id | VARCHAR(255) | ID for social login (e.g., Google, Facebook) |
| social\_provider | VARCHAR(50) | Provider for social login |
| is\_active | BOOLEAN | Whether the user's account is active |
| is\_staff | BOOLEAN | Whether the user can log into the admin site |
| is\_superuser | BOOLEAN | Whether the user has all permissions |
| date\_joined | DATETIME | The date and time the user joined |
| last\_login | DATETIME | The last time the user logged in |

**Community Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| id | INT | Primary key (auto-increment) |
| name | VARCHAR(255) | Name of the community |
| description | TEXT | Description of the community |
| created\_at | DATETIME | The date and time the community was created |
| created\_by\_id | INT | Foreign key to the user who created the community |
| admin\_id | INT | Foreign key to the community admin |

**UserCommunity Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| id | INT | Primary key (auto-increment) |
| user\_id | INT | Foreign key to the user |
| community\_id | INT | Foreign key to the community |
| joined\_at | DATETIME | The date and time the user joined the community |

**Event Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| id | INT | Primary key (auto-increment) |
| name | VARCHAR(255) | Name of the event |
| description | TEXT | Description of the event |
| date | DATETIME | Date and time of the event |
| location | VARCHAR(255) | Location of the event |
| community\_id | INT | Foreign key to the community hosting the event |
| organizer\_id | INT | Foreign key to the user organizing the event |
| created\_at | DATETIME | The date and time the event was created |
| updated\_at | DATETIME | The date and time the event was last updated |

**EventRegistration Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| id | INT | Primary key (auto-increment) |
| user\_id | INT | Foreign key to the user |
| event\_id | INT | Foreign key to the event |
| registration\_date | DATETIME | The date and time the user registered for the event |

**Payment Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| id | INT | Primary key (auto-increment) |
| user\_id | INT | Foreign key to the user |
| event\_id | INT | Foreign key to the event |
| amount | DECIMAL(10,2) | Amount paid |
| payment\_date | DATETIME | The date and time the payment was made |

**Notification Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| id | INT | Primary key (auto-increment) |
| user\_id | INT | Foreign key to the user |
| message | TEXT | Notification message |
| created\_at | DATETIME | The date and time the notification was created |
| read | BOOLEAN | Whether the notification has been read |

**Volunteer Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| id | INT | Primary key (auto-increment) |
| user\_id | INT | Foreign key to the user |
| event\_id | INT | Foreign key to the event |
| task | VARCHAR(255) | Task assigned to the volunteer |
| assigned\_at | DATETIME | The date and time the volunteer was assigned |

**Analytics Table**

|  |  |  |
| --- | --- | --- |
| **Column** | **Data Type** | **Description** |
| id | INT | Primary key (auto-increment) |
| event\_id | INT | Foreign key to the event |
| metric | VARCHAR(255) | Metric name |
| value | INT | Metric value |
| recorded\_at | DATETIME | The date and time the metric was recorded |