

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
date_joined	DATETIME	The date and time the user joined
status	VARCHAR(15)	Current status of the user

UserDetails Table

Column	Data Type	Description
id	INT	Primary key (auto-increment)
user_id	INT	Foreign key to the user
role_id	INT	Foreign key to the Role
phone_number	VARCHAR(15)	User's phone number
gender	VARCHAR(15)	User's gender
place	VARCHAR(255)	User's place
address	TEXT	User's address

Role Table

Column	Data Type	Description
id	INT	Primary key (auto-increment)
role_name	VARCHAR(150)	Unique role name
role_description	TEXT	Description of the Role

LastLogin Table

Column	Data Type	Description
id	INT	Primary key (auto-increment)
user_id	INT	Foreign key to the user

device_id	VARCHAR(254)	Id of device used for signing in
login_time	DATETIME	The date and 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
category_id	INT	Foreign key to the event category
date	DATETIME	Date and time of the event

address	VARCHAR(255)	Address of the event location
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
status	VARCHAR(15)	Current status of the event

EventCategory Table

Column	Data Type	Description
id	INT	Primary key (auto-increment)
name	VARCHAR(255)	Name of the event category
description	TEXT	Description of the event category

Task Table

Column	Data Type	Description
id	INT	Primary key (auto-increment)
name	VARCHAR(255)	Name of the task
description	TEXT	Description of the task
category_id	INT	Foreign key to the event category

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

status	VARCHAR(15)	Current status of the registration
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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
method_id	INT	Foreign key to the PaymentMethods table
payment_date	DATETIME	The date and time the payment was made

PaymentMethods Table

Column	Data Type	Description
id	INT	Primary key (auto-increment)
name	VARCHAR(255)	Name of the payment method (e.g., Credit Card, PayPal)
description	TEXT	Description of the payment method

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_id	INT	Foreign key to the Task
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
metrics_id	INT	Foreign key to the metric type
value	INT	Metric value
recorded_at	DATETIME	The date and time the metric was recorded

Metrics Table

Column	Data Type	Description
id	INT	Primary key (auto-increment)
name	VARCHAR(255)	Name of the metric
description	TEXT	Description of the metric

Django Apps

Users App

Handles user authentication, profiles, roles, and audit logs.

- **User Table**
- **Role Table**
- **LastLogin Table**
- **AuditLog Table**

Communities App

Manages communities, their creation, and member associations.

- **Community Table**
- **UserCommunity Table**

Events App

Handles event creation, management, registrations, payments, notifications, and analytics.

- **Event Table**
- **EventCategory Table**
- **EventRegistration Table**
- **Payment Table**
- **Notification Table**
- **Volunteer Table**
- **Analytics Table**
- **Metrics Table**

Tasks App

Manages tasks related to events and volunteers.

- **Task Table**

Users App

Table Name	Description
User	Stores user details and credentials.
Role	Defines different roles within the system.
LastLogin	Records login details for users.
AuditLog	Logs changes to records across the system.

Communities App

Table Name	Description
Community	Stores community details.
UserCommunity	Manages the association between users and communities.

Events App

Table Name	Description
Event	Stores event details.
EventCategory	Defines categories for events.
EventRegistration	Manages event registrations by users.
Payment	Records payments made for events.
Notification	Stores notifications sent to users.
Volunteer	Manages volunteers assigned to events and tasks.
Analytics	Records analytics data for events.
Metrics	Defines metrics used for event analysis.

Tasks App

Table Name	Description
Task	Stores task details related to events.