

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_id	INT	Foreign key to the Role
phone_number	VARCHAR(15)	User's phone number
date_joined	DATETIME	The date and time the user joined
status	VARCHAR(15)	Current status of the user

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

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	VARCHAR(255)	Payment method
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_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

AuditLog Table

Column	Data Type	Description
id	INT	Primary key (auto-increment)
table_name	VARCHAR(255)	Name of the table where the change occurred
record_id	INT	ID of the record that was changed
user_id	INT	Foreign key to the user who made the change
action	VARCHAR(50)	Type of action (INSERT, UPDATE, DELETE)
timestamp	DATETIME	The date and time the action occurred
old_value	TEXT	Previous value before the change
new_value	TEXT	New value after the change