

## Database model documentation

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# 1. Model details

**Model name:**

RafflesBot

**Version:**

2.4

**Database engine:**

PostgreSQL

**Description:**

## 2. Tables

### 2.1. Table raffles

#### 2.1.1. Columns

| Column name       | Type          | Properties | Description |
|-------------------|---------------|------------|-------------|
| raffle_id         | int           | PK         |             |
| start_datetime    | timestamp     |            |             |
| end_datetime      | timestamp     |            |             |
| number_of_winners | int           |            |             |
| description       | varchar(1024) | null       |             |
| image_url         | varchar(256)  | null       |             |

### 2.2. Table users

#### 2.2.1. Columns

| Column name           | Type         | Properties | Description |
|-----------------------|--------------|------------|-------------|
| user_id               | bigint       | PK         |             |
| first_name            | varchar(128) |            |             |
| last_name             | varchar(128) | null       |             |
| username              | varchar(32)  | null       |             |
| registration_datetime | timestamp    |            |             |
| alive                 | boolean      |            |             |
| blocked               | boolean      |            |             |
| role_id               | int          |            |             |

#### 2.2.2. Indexes

| Index name  | Columns       | Description |
|-------------|---------------|-------------|
| users_idx_1 | role_id (ASC) |             |

### 2.3. Table participants

#### 2.3.1. Columns

| Column name | Type   | Properties | Description |
|-------------|--------|------------|-------------|
| user_id     | bigint | PK         |             |
| raffle_id   | int    | PK         |             |

## 2.4. Table channels

### 2.4.1. Columns

| Column name | Type         | Properties | Description |
|-------------|--------------|------------|-------------|
| channel_id  | bigint       | PK         |             |
| title       | varchar(256) |            |             |
| link        | varchar(64)  |            |             |

## 2.5. Table raffles\_channels

### 2.5.1. Columns

| Column name | Type   | Properties | Description |
|-------------|--------|------------|-------------|
| raffle_id   | int    | PK         |             |
| channel_id  | bigint | PK         |             |

## 2.6. Table admins

### 2.6.1. Columns

| Column name | Type   | Properties | Description |
|-------------|--------|------------|-------------|
| user_id     | bigint | PK         |             |

## 2.7. Table roles

### 2.7.1. Columns

| Column name | Type       | Properties | Description |
|-------------|------------|------------|-------------|
| role_id     | int        | PK         |             |
| title       | varchar(5) |            |             |

## 3. References

### 3.1. Reference raffles\_channels\_channels

| channels   | 0..* | raffles_channels |
|------------|------|------------------|
| channel_id | <->  | channel_id       |

### 3.2. Reference raffles\_raffles\_channels

| raffles   | 0..* | raffles_channels |
|-----------|------|------------------|
| raffle_id | <->  | raffle_id        |

### 3.3. Reference participants\_users

| users   | 0..* | participants |
|---------|------|--------------|
| user_id | <->  | user_id      |

### 3.4. Reference participants\_raffles

| raffles   | 0..* | participants |
|-----------|------|--------------|
| raffle_id | <->  | raffle_id    |

### 3.5. Reference admins\_users

| users   | 0..* | admins  |
|---------|------|---------|
| user_id | <->  | user_id |

### 3.6. Reference users\_roles

| roles   | 0..* | users   |
|---------|------|---------|
| role_id | <->  | role_id |