

### **Core Entities**

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| **Table** | **Primary Key** | **Relationships** |
| User | user\_id | Connected to all persona tables via user\_id |
| Event | event\_id | Linked to all persona tables via event\_id |
| Stage | stage\_id | Used in KPI to track the event phase |
| Notification | notification\_id | Linked to user\_id |
| Checkin | checkin\_id | Links user\_id to event\_id |
| Feedback | feedback\_id | Links user\_id to event\_id |
| DashboardLog | log\_id | Logs event-specific activities |

### **KPI Tracking Table**

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| **Table** | **Primary Key** | **Foreign Keys** | **Notes** |
| KPI | kpi\_id | stage\_id, context\_type, context\_id | Links a performance metric to any persona/entity |
| Stage | stage\_id | - | Phases like "Pre-Event", "On-Event Day", etc. |

### **Persona Tables**

Each links to both User (who they are) and Event (what they’re part of):

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| **Persona Table** | **Primary Key** | **Foreign Keys** |
| EventOrganizer | organizer\_id | user\_id, event\_id |
| SecurityTeam | security\_id | user\_id, event\_id |
| Performer | performer\_id | user\_id, event\_id |
| Vendor | vendor\_id | user\_id, event\_id |
| Sponsor | sponsor\_id | user\_id, event\_id |
| Media | media\_id | user\_id, event\_id |
| Attendee | attendee\_id | user\_id, event\_id |
| Volunteer | volunteer\_id | user\_id, event\_id |
| LocalAuthority | authority\_id | user\_id, event\_id |

## **Relationships**

* One Event has many Performers, Vendors, etc.
* One Performer belongs to one Event and one User
* One KPI is tied to a Stage and a persona record (via polymorphic relationship)

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| **Parent Table** | **Child Table** | **Relationship Type** | **Join Key** |
| User | Event | One-to-Many | created\_by |
| User | EventOrganizer | One-to-Many | user\_id |
| User | Performer | One-to-Many | user\_id |
| User | Attendee | One-to-Many | user\_id |
| User | Vendor | One-to-Many | user\_id |
| User | Volunteer | One-to-Many | user\_id |
| User | Sponsor | One-to-Many | user\_id |
| User | Media | One-to-Many | user\_id |
| User | SecurityTeam | One-to-Many | user\_id |
| User | LocalAuthority | One-to-Many | user\_id |
| User | Notification | One-to-Many | user\_id |
| Event | [All Personas] | One-to-Many | event\_id |
| Event | DashboardLog | One-to-Many | event\_id |
| Stage | KPI | One-to-Many | stage\_id |