# Database concept

1. Description of the database structure

Ein Bild, das Text, Diagramm, Plan, Reihe enthält.

Automatisch generierte Beschreibung

In mermaid the multiplicities are represented by the shape of the arrow, here is an example to help understand the multiplicities in our database.

Ein Bild, das Text, Screenshot, Diagramm, Reihe enthält.

Automatisch generierte Beschreibung

### User

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Relation | Datatype | Not Null | Auto Inc | Default |
| id | Primary key | int | true | true | null |
| name |  | VarChar(256) | true |  | null |
| email |  | VarChar(256) | true |  | null |

### Event

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Relation | Datatype | Not Null | Auto Inc | Default |
| id | Primary key | Int | true | true | null |
| title |  | VarChar(256) | true |  | null |
| description |  | VarChar(256) | false |  | null |
| start |  | DateTime | true |  | null |
| end |  | DateTime | true |  | null |
| list\_id | Foreign key | int | true |  | null |

### Group

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Relation | Datatype | Not Null | Auto Inc | Default |
| id | Primary key | int | true | true | null |
| name |  | VarChar(256) | true |  | null |
| admin\_id | Foreign key | int | true |  | null |

### Eventlist

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Relation | Datatype | Not Null | Auto Inc | Default |
| id | Primary key | int | true | true | null |
| name |  | VarChar(256) | true |  | null |
| admin\_id | Foreign key | int | true |  | null |

### Notification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Relation | Datatype | Not Null | Auto Inc | Default |
| id | Primary key | int | true | true | null |
| time |  | DateTime | true |  | null |
| event\_id | Foreign key | int | true |  | null |

### User\_Group

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Relation | Datatype | Not Null | Auto Inc | Default |
| id | Primary key | int | true | true | null |
| User\_id | Foreign key | int | true |  | null |
| Group\_id | Foreign key | int | true |  | null |

### Group\_Eventlist

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Relation | Datatype | Not Null | Auto Inc | Default |
| id | Primary key | int | true | true | null |
| Group\_id | Foreign key | int | true |  | null |
| Eventlist\_id | Foreign key | int | true |  | null |