1. **Facility**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Note** | **Description** |
| id | integer | Not null | ID of the facility |
| name | character varying |  | The name of the facility |
| address | character varying |  | The address of the facility |
| description | character varying |  | Description of the facility |
| number\_of\_buildings | smallint |  | The number of buildings of the facility |
| location | point |  | The location of the facility |
| design\_url | character varying |  | Url of the facility |
| background\_image | character varying |  | Background image of the facility |
| updated\_at | timestamp without time zone |  |  |
| keywords | character varying |  | Keyword of the facility |

1. **Buliding**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Note** | **Description** |
| id | integer | Not null | ID of the building |
| name | character varying |  | The name of the building |
| description | character varying |  | Description of the building |
| number\_of\_floors | smallint |  | The number of floors of the building |
| location | point |  | The location of the building |
| design\_url | character varying |  | The last update of the building |
| updated\_at | timestamp without time zone |  |  |
| keywords | character varying |  | Keyword of the building |
| facilityId | integer |  | ID of the facility |

1. **Places**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Note** | **Description** |
| id | integer | Not null | ID of the place |
| type | character varying |  | Type of the place |
| name | character varying |  | The name of the place |
| description | character varying |  | Description of the place |
| location | point |  | The location of the place |
| updated\_at | timestamp without time zone |  |  |
| keywords | character varying |  | Keyword of the place |
| facilityId | integer |  | ID of the facility |

1. **Floor**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Note** | **Description** |
| id | integer | Not null | ID of the floor |
| name | character varying |  | The name of the floor |
| description | character varying |  | Description of the floor |
| numbers\_of\_spaces | smallint |  | The number of space of the floor |
| design\_url | character varying |  | Url of the floor |
| buildingId | integer |  | ID of the building |

1. **Spaces**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Note** | **Description** |
| id | integer | Not null | ID of the space |
| name | character varying |  | The name of the space |
| description | character varying |  | Description of the space |
| floorId | integer |  | ID of the floor |
| typeId | integer |  | ID of the space type |
| location | point |  | The location of space |

1. **Space-type**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Note** | **Description** |
| id | integer | Not null | ID of the space type |
| name | character varying |  | The name of the space type |
| description | character varying |  | Description of the space type |
| type | character varying |  |  |

1. **Parkings**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Note** | **Description** |
| id | integer | Not null | ID of the parking |
| description | character varying |  | Description of the parking |
| capacity | integer |  | Capacity of the parking |
| location | point |  | The location of floors of the parking |
| updated\_at | timestamp without time zone |  |  |

1. **Photo**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Note** | **Description** |
| Id | integer | Not null | ID of the photo |
| name | character varying | Not null | The name of the photo |
| description | character varying | Not null | Description of the photo |
| url | character varying |  | Url of the photo |
| Updated\_at | timestamp without time zone |  |  |

1. **Photo\_location**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Note** | **Description** |
| id | integer | Not null | ID of the photo location |
| name | character varying | Not null | The name of the photo location |
| description | character varying | Not null | Description of the photo location |
| updated\_at | timestamp without time zone |  |  |
| photoID | integer |  | ID of the photo |

1. **Direction**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Note** | **Description** |
| id | uuid | Not null | ID of the direction |
| userId | character varying | Not null | ID of the user |
| user\_location | point | Not null | The location of user |
| destination\_location | point |  | Destination location of the user |
| updated\_at | timestamp without time zone |  |  |

**Admin**

1. **User**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Note** | **Description** |
| id | uuid | Not null | ID of the user |
| email | character varying | Not null | Email of the user |
| password | character varying | Not null | Password of the user |
| firstName | character varying |  | First name of the user |
| lastName | character varying |  | Last name of the user |
| role | character varying |  | Role of the user |
| create\_at | timestamp without time zone |  | Day create of the user |
| updated\_at | timestamp without time zone |  |  |

1. **Users**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Data Type** | **Note** | **Description** |
| id | integer |  | Id of the users |
| firstName | character varying | Not null | First name of the users |
| lastName | character varying | Not null | Last name of the users |
| userName | character varying | Not null | Name of the users |
| password | character varying |  | Password of the users |
| age | integer |  | Age of the users |