|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Table  Name | Attribute type  (Column) | Description | Data Type | Value required / NULL / UNIQUE | Key  (Primary / Alternate) | Special Domain |
| LocationType | Id | Unique identifier | INTEGER | YES | PK | 1-99  Auto incremented |
|  | name | Unique name | VARCHAR(320) | YES,  UNIQUE | AK |  |
|  | Description | Description of location type | VARCHAR(20000) | NO | - | - |
|  | isCommonAreaType | Common location for everyone | BOOLEAN | Yes | - | - |
|  | isAdminArea | Area only for admins | BOOLEAN | Yes | - | - |
|  |  |  |  |  |  |  |
| Location | Id | Unique identifier | INTEGER | YSE | PK | 101-199 |
|  | areaId | This Location belong in this area. | INTEGER | YES, UNIQUE | FK => Area(id)  AK |  |
|  | name | Location name | VARCHAR(320) | YES,  UNIQUE | AK |  |
|  | description | Location description | VARCHAR(20000) | NO | - | - |
|  | surfaceArea | Size of area | DECIMAL(5, 2) | YES |  |  |
|  | locationTypeId | Type of location id, location belongs to x location type | INTEGER | Yes | FK => LocationType(ID) |  |
|  |  |  |  |  |  |  |
| Area | Id | Unique identifier | INTEGER | YES | PK | 201-299 |
|  | Name | Area name | VARCHAR(320) | YES | AK |  |
|  | Description | Area description | VARCHAR(20000) | YES | - | - |
|  | isCommonArea | Not part of private flat | BOOLEAN | YES | - |  |