|  |
| --- |
| Словарь данных |
| Realtor База данных |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Person | | | | |
| Key | Field Name | Data Type / Field Size | Required? | Notes |
| PK | Id | INTEGER | Y | Auto increment |
|  | FirstName | VARCHAR(40) | Y |  |
|  | MiddleName | VARCHAR(40) | N |  |
|  | LastName | VARCHAR(40) | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Client | | | | |
| Key | Field Name | Data Type / Field Size | Required? | Notes |
| PK / FK | Id | INTEGER | Y | Auto increment / Foreign key to Person |
|  | Phone | VARCHAR(20) | Y |  |
|  | Email | VARCHAR(100) | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Agent | | | | |
| Key | Field Name | Data Type / Field Size | Required? | Notes |
| PK / FK | Id | INTEGER | Y | Auto increment / Foreign key to Person |
|  | DealShare | DECIMAL(4,2) | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Supply | | | | |
| Key | Field Name | Data Type / Field Size | Required? | Notes |
| PK | Id | INTEGER | Y | Auto increment |
|  | Price | BIGINT | Y |  |
| FK | AgentId | INTEGER | N | Foreign key to Person |
| FK | ClientId | INTEGER | Y | Foreign key to Person |
| FK | RealEstateId | INTEGER | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Deal | | | | |
| Key | Field Name | Data Type / Field Size | Required? | Notes |
| PK | Id | INTEGER | Y | Auto increment |
| FK | DemandId | INTEGER | N | Foreign Key to Demand |
| FK | SupplyId | INTEGER | N | Foreign Key to Supply |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Demand | | | | |
| Key | Field Name | Data Type / Field Size | Required? | Notes |
| PK | Id | INTEGER | Y | Auto increment |
|  | Address\_City | VARCHAR(60) | N |  |
|  | Address\_Street | VARCHAR(40) | N |  |
|  | Address\_House | VARCHAR(40) | N |  |
|  | Address\_Number | TINYINT | N |  |
|  | Address\_Corpouse | TINYINT | N |  |
|  | MinPrice | BIGINT | N |  |
|  | MaxPrice | BIGINT | N |  |
| FK | AgentId | INTEGER | N | Foreign Key to Agent |
| KF | ClientId | INTEGER | Y | Foreign Key to Client |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RealEstate | | | | |
| Key | Field Name | Data Type / Field Size | Required? | Notes |
| PK | Id | INTEGER | Y | Auto increment |
|  | Address\_City | VARCHAR(60) | Y |  |
|  | Address\_Street | VARCHAR(40) | Y |  |
|  | Address\_House | VARCHAR(40) | Y |  |
|  | Address\_Number | TINYINT | Y |  |
|  | Address\_Corpouse | TINYINT | N |  |
|  | Coordinate\_latitude | SMALLINT | N |  |
|  | Coordinate\_longitude | SMALLINT | N |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Apartment | | | | |
| Key | Field Name | Data Type / Field Size | Required? | Notes |
| PK / FK | Id | INTEGER | Y | Auto increment / Foreign Key to RealEstate |
|  | TotalArea | DECIMAL(14,2) | Y |  |
|  | Rooms | TINYINT | Y |  |
|  | Floor | SMALLINT | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Land | | | | |
| Key | Field Name | Data Type / Field Size | Required? | Notes |
| PK / FK | Id | INTEGER | Y | Auto increment / Foreign Key to RealEstate |
|  | TotalArea | DECIMAL(14,2) | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| House | | | | |
| Key | Field Name | Data Type / Field Size | Required? | Notes |
| PK / FK | Id | INTEGER | Y | Auto increment / Foreign Key to RealEstate |
|  | TotalFloors | SMALLINT | Y |  |
|  | TotalArea | DECIMAL(14,2) | Y |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HouseFilter | | | | |
| Key | Field Name | Data Type / Field Size | Required? | Notes |
| PK | Id | INTEGER | Y | Auto increment / Foreign Key to Demand |
|  | MinFloors | SMALLINT | N |  |
|  | MaxFloors | SMALLINT | N |  |
|  | MinArea | DECIMAL(14,2) | N |  |
|  | MaxArea | DECIMAL(14,2) | N |  |
|  | MinRooms | TINYINT | N |  |
|  | MaxRooms | TINYINT | N |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ApartmentFilter | | | | |
| Key | Field Name | Data Type / Field Size | Required? | Notes |
| PK | Id | INTEGER | Y | Auto increment / Foreign Key to Demand |
|  | MinFloors | SMALLINT | N |  |
|  | MaxFloors | SMALLINT | N |  |
|  | MinArea | DECIMAL(14,2) | N |  |
|  | MaxArea | DECIMAL(14,2) | N |  |
|  | MinRooms | TINYINT | N |  |
|  | MaxRooms | TINYINT | N |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LandFilter | | | | |
| Key | Field Name | Data Type / Field Size | Required? | Notes |
| PK | Id | INTEGER | Y | Auto increment / Foreign Key to Demand |
|  | MinArea | DECIMAL(14,2) | N |  |
|  | MaxArea | DECIMAL(14,2) | N |  |