1. **City**

|  |  |  |
| --- | --- | --- |
| **DOCUMENTS NAME** | **OPTIONS** | **DESCRIPTION** |
| id | { type: ObjectId } |  |
| name | { type: String, required: true, maxlength: 30, trim: true } |  |

1. **District**

|  |  |  |
| --- | --- | --- |
| **DOCUMENTS NAME** | **OPTIONS** | **DESCRIPTION** |
| id | { type: ObjectId } |  |
| city | { type: ObjectId, ref: 'City' } |  |
| name | { type: String, required: true, maxlength: 30, trim: true } |  |

1. **Street**

|  |  |  |
| --- | --- | --- |
| **DOCUMENTS NAME** | **OPTIONS** | **DESCRIPTION** |
| id | { type: ObjectId } |  |
| district | { type: ObjectId, ref: 'District' } |  |
| name | { type: String, required: true, maxlength: 30, trim: true } |  |

1. **GroupUser**

|  |  |  |
| --- | --- | --- |
| **DOCUMENTS NAME** | **OPTIONS** | **DESCRIPTION** |
| id | { type: ObjectId } |  |
| name | { type: String, required: true, maxlength: 20, trim: true } | Group user names:  - Admin  - User |

1. **User**

|  |  |  |
| --- | --- | --- |
| **DOCUMENTS NAME** | **OPTIONS** | **DESCRIPTION** |
| id | { type: ObjectId } |  |
| groupUser | { type: ObjectId, ref: 'GroupUser' } |  |
| fullname | { type: String, required: true, maxlength: 30, trim: true } |  |
| phone | { type: String, required: true, maxlength: 20, trim: true } |  |
| email | { type: String, required: true, maxlength: 30, trim: true } |  |
| password | { type: String, required: true, maxlength: 30, trim: true } |  |

1. **Avatar**

|  |  |  |
| --- | --- | --- |
| **DOCUMENTS NAME** | **OPTIONS** | **DESCRIPTION** |
| id | { type: ObjectId } |  |
| user | { type: ObjectId, ref: 'User' } |  |
| url | { type: String, required: true, maxlength: 250, trim: true } |  |

1. **House**

|  |  |  |
| --- | --- | --- |
| **DOCUMENTS NAME** | **OPTIONS** | **DESCRIPTION** |
| id | { type: ObjectId } |  |
| user | { type: ObjectId, ref: 'User' } |  |
| city | { type: ObjectId, ref: 'City' } |  |
| district | { type: ObjectId, ref: 'District' } |  |
| street | { type: ObjectId, ref: 'Street' } |  |
| position | {  lat: { type: Number, required: true },  lng: { type: Number, required: true }  } |  |
| houseNumber | { type: String, required: true, maxlength: 20, trim: true } |  |
| price | { type: Number, required: true, min: 0 } |  |
| space | { type: Number, required: true, min: 0 } |  |
| title | { type: String, required: true, maxlength: 100, trim: true } |  |
| description | { type: String, required: true, maxlength: 2500, trim: true } |  |
| isRented | { type: Boolean, required: true, default: false } | Status:  - rented: true  - not rented: false |
| isCensored | { type: Number, required: true, default: 0 } | Status:  - censored: 1  - waitting censor: 0  - not censored: -1 |
| timeUp | { type: Date, required: true, default: Date.now } |  |

1. **Image**

|  |  |  |
| --- | --- | --- |
| **DOCUMENTS NAME** | **OPTIONS** | **DESCRIPTION** |
| id | { type: ObjectId } |  |
| house | { type: ObjectId, ref: 'House' } |  |
| url | { type: String, required: true, maxlength: 250, trim: true } |  |

1. **Video**

|  |  |  |
| --- | --- | --- |
| **DOCUMENTS NAME** | **OPTIONS** | **DESCRIPTION** |
| id | { type: ObjectId } |  |
| house | { type: ObjectId, ref: 'House' } |  |
| url | { type: String, required: true, maxlength: 250, trim: true } |  |

1. **Conversation**

|  |  |  |
| --- | --- | --- |
| **DOCUMENTS NAME** | **OPTIONS** | **DESCRIPTION** |
| id | { type: ObjectId } |  |
| user1 | { type: ObjectId, ref: 'User' } |  |
| user2 | { type: ObjectId, ref: 'User' } |  |
| messages | [{  content: { type: String, required: true, maxlength: 250, trim: true },  user: { type: ObjectId, ref: 'User' },  timeUp: { type: Date, required: true, default: Date.now }  }] |  |

1. **Rate**

|  |  |  |
| --- | --- | --- |
| **DOCUMENTS NAME** | **OPTIONS** | **DESCRIPTION** |
| id | { type: ObjectId } |  |
| house | { type: ObjectId, ref: 'House' } |  |
| user | { type: ObjectId, ref: 'User' } |  |
| stars | { type: Number, required: true, min: 0, max: 5, default: 0 } |  |
| timeup | { type: Date, required: true, default: Date.now } |  |

1. **Comment**

|  |  |  |
| --- | --- | --- |
| **DOCUMENTS NAME** | **OPTIONS** | **DESCRIPTION** |
| id | { type: ObjectId } |  |
| house | { type: ObjectId, ref: 'House' } |  |
| user | { type: ObjectId, ref: 'User' } |  |
| content | { type: String, required: true, maxlength: 250, trim: true } |  |
| timeUp | { type: Date, required: true, default: Date.now } |  |
| replyComments | [{  content: { type: String, required: true, maxlength: 250, trim: true },  user: { type: ObjectId, ref: 'User' },  timeUp: { type: Date, required: true, default: Date.now }  }] |  |