

## User Information

```
"Users": {
  "UID": {
    "name": "string",
    "gender": "string",
    "yearGraduate": int,
    "favorite_houses": [ post_ids ],
    "my_house_posts": [ post_ids ],
    "description": "string",
    "picture": "img_url"
  }
}
```

```
"Preference": {
  "UID": {
    "bring": int,
    "cleanTime": double,
    "drink": int,
    "gaming": int,
    "hiking": int,
    "language": int,
    "party": int,
    "pet": int,
    "skiing": int,
    "sleepTime": double,
    "smoke": int,
    "surfing": int
  }
}
```

## Post Information

```
"House_post": {
  "post_id": {
    "posterId": "UID",
    "location": "string",
    "ac": "string",
    "bus": "string",
    "description": "string",
    "gym": "string",
    "tv": "string",
    "videoGame": "string",
    "houseType": "string",
    "laundry": "string",
    "leasingLength": "string",
    "numBathroom": "string",
    "numBedroom": "string",
    "parking": "string",
    "pet": "string",
    "pictures": [ "image_urls" ],
    "rooms": [{ "price": "string",
                  "roomType": "string" }],
    "startDate": "string",
    "title": "string"
  }
}
```

```
"Visible": {
  "UID": boolean
}
```

## In-app Message

```
"Messages": {
  "UID": {
    "UID_of_other_users": {
      "message_id": {
        "mMessage": "string",
        "mName": "string",
        "mTimestamp": long,
        "mUid": "string"
      }
    }
  }
}

"Chat": {
  "UID": {
    "UID_of_other_users": {
      "mTimestamp": long
    }
  }
}
```

unilink NoSQL database schema

array of obj id's: [obj\_ids]

relationship: →