User

|  |  |  |  |
| --- | --- | --- | --- |
|  | Primary | Integer | ID |
| To ask Haggai if can login more than once | Unique | String (10) | Username |
|  | Not-Nullable | String (8) | Password |
| Default can be the “Username” | Not-Nullable | String (20) | Nickname |
|  | Nullable | String (50) | Description |
| Default can be some photo on the server | Nullable | String | Avatar |

Channel

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Integer | Primary |  |
| Channel name | String (30) | Not-Nullable | To ask Haggai if unique |
| Description | String (500) | Nullable | To ask Haggai if required/optional |
| Number of subscribers | Integer |  |  |
| Is Public | Boolean |  |  |

Channel Subscription

|  |  |  |
| --- | --- | --- |
| User ID | Integer | Foreign-Key |
| Channel ID | Integer | Foreign-Key |

Messages

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Integer | Primary |  |
| Channel ID | Integer | Foreign-Key |  |
| User ID | Integer | Foreign-Key |  |
| Message Time | Time-Stamp | Not-Nullable |  |
| Replied to Message ID | Integer |  | If not a reply to any message, will use a default value, like 0 or -1 |
| Content | String (500) | Required |  |