|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Datatype | Constraint | Description |
| Object ID | String | By Default | When Record Insert  Then auto applied |
| First Name | String | Not Null | First Name Display here |
| Last Name | String | Not Null | Last Name Display here |
| Email | String | Not Null | Email Display here |
| Password | String | Not Null | Corrupted Password Display  Here |
| Mobile No. | Number | Not Null  (Primary Key) | Mobile No. is Unique. |
| Profile\_Pic | String | Not Null | Profile \_Pic file name store |

|  |  |  |  |
| --- | --- | --- | --- |
| Field  Name | Datatype | Constraint | Description |
| Filename | String | Should be unique, can be generated based on user ID. | Name of Uploaded File |
| Filepath | String | Stored in a predefined folder | File Storage path  Displayed |
| Filesize | Number | File Size | Displayed File Size bytes |
| Filetype | String | File types(.jpg, .jpeg, .png) | Which type file  It’s displayed |
| Upload time | Timestamp | Automatically captured by Firebase. | The timestamp when the file was uploaded to Firebase |
| Download URL | String | Generated by Firebase, used for displaying the image. | Public URL for accessing the file |
| User ID | String | Links to the user in your MongoDB. | Unique ID of the user to whom the picture belongs |
| File ID | String | Auto-generated by Firebase to identify the stored file. | Unique Firebase identifier for the file |

|  |  |  |  |
| --- | --- | --- | --- |
| Field  Name | Datatype | Constraint | Description |
| Message ID | String | Auto-generated or manually generated. | Unique ID for each message |
| Sender ID | String | Must map to a valid user in the database. | Unique ID of the user sending the message |
| Receiver ID | String | Must map to a valid user in the database. | Unique ID of the user receiving the message |
| Chatroom ID | String | Groups messages between specific users. | Unique identifier for the chat room |
| Message Content | String | Can be text, emojis, or URLs. | The actual text or content of the message |
| Media URL | String | Null if no media is attached. | Media URL |
| Message Send Time | Timestamp | Auto-generated at the time of sending the message. | The time when the message was sent |
| Status | String | Values(Send, Receive, Read) | Message Status  Displayed |
| IsDeleted | Boolean | By Default, Value is False | When Message to delete that time value true |