

# Database Hierarchy

Created by Mason

DB_Toplevel	
* Me-Cont.	
Con. List Len.	
* First	* Last

Container
First / Last
...

Contact-Card
...

Container
is_Group-Chat
Member-Number
* First-Contact
* Last-Contact
* Top-DB
* Message-Log
* Previous
* Next

Container
is_Group-Chat
Member-Number
* First-Contact
* Last-Contact
* Top-DB
* Message-Log
* Previous
* Next

Container
is_Group-Chat
Member-Number
* First-Contact
* Last-Contact
* Top-DB
* Message-Log
* Previous
* Next

I

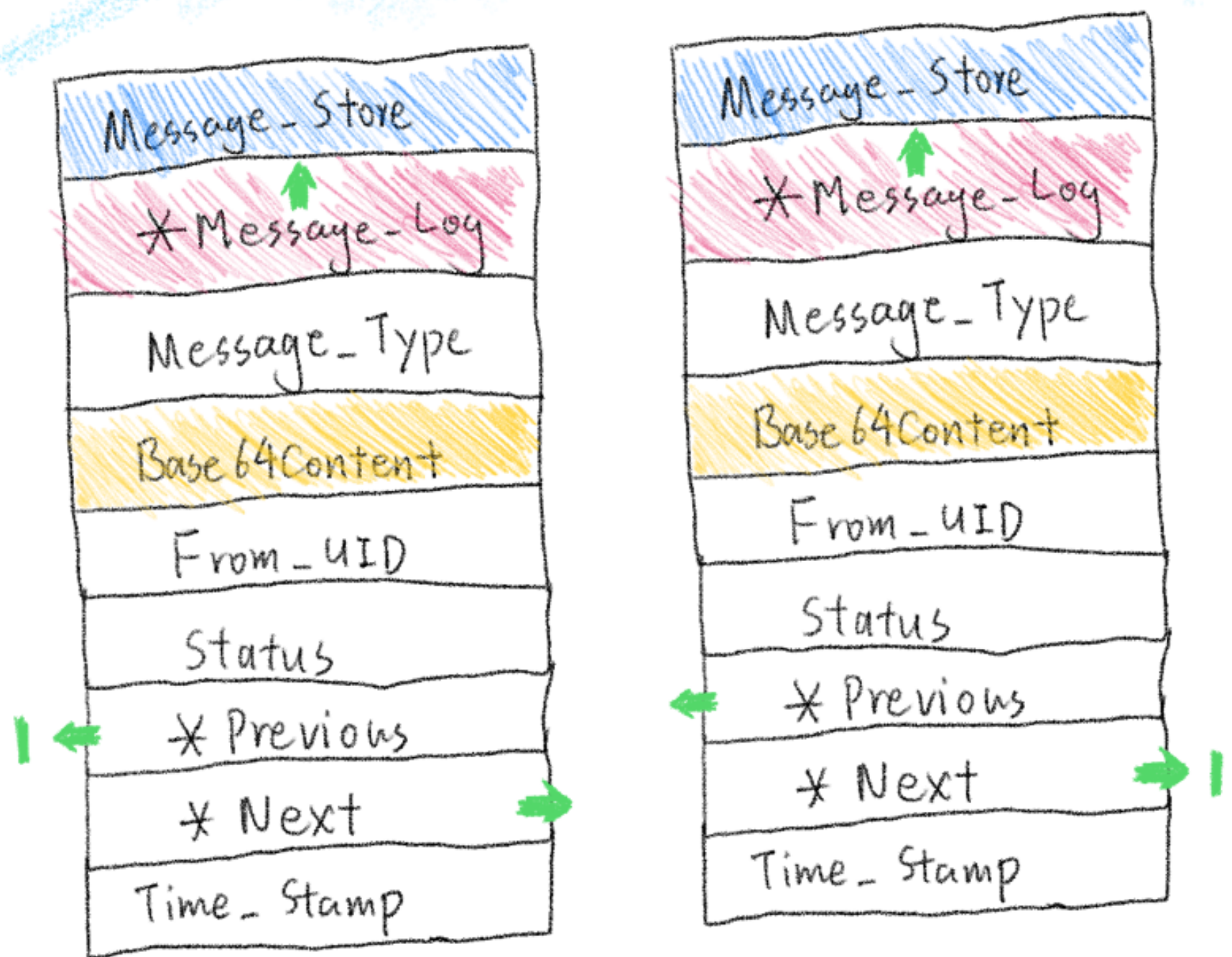
Contact-Card
uid
Nick-Name
email
online-status
grouping
* DB_Toplevel
* Previous-Card
* Next-Card

Contact-Card
uid
Nick-Name
email
online-status
grouping
* DB_Toplevel
* Previous-Card
* Next-Card

II

Message-Toplevel
* Top-Container
Message-Lenth
* First-Message
* Last-Message





## DB Functionality Checklist

- Group chat ✓ → requires server API supporting sending to multiple targets
  - UTF-8 Text ✓
  - Image ✓
  - Emoji ✓
  - Delivery Status ✓
  - Time Stamp for each Message ✓
  - Customizable Nickname ✓
- requires Base 64 encoding / decoding
- requires further Gtk integration