The chat module use document-database to store chat information

The module have input data with certain format feed to chat module and it return a dataset as output

Data field for chat:

{

user\_id:

sender:

recipient:

date:

time:

messageType:

content:{message, link}

}

The api will check for error such as incorrect format or incorrect message type

Mongodb tutorial

One to one model with embedded document

| *// patron document* |
| --- |
| { |
| \_id: "joe", |
| name: "Joe Bookreader" |
| } |
|  |
| *// address document* |
| { |
| patron\_id: "joe", *// reference to patron document* |
| street: "123 Fake Street", |
| city: "Faketon", |
| state: "MA", |
| zip: "12345" |
| } |

Embed the address document to patron

| { |
| --- |
| \_id: "joe", |
| name: "Joe Bookreader", |
| address: { |
| street: "123 Fake Street", |
| city: "Faketon", |
| state: "MA", |
| zip: "12345" |
| } |
| } |

One to many model with embedded document

| *// patron document* |
| --- |
| { |
| \_id: "joe", |
| name: "Joe Bookreader" |
| } |
|  |
| *// address documents* |
| { |
| patron\_id: "joe", *// reference to patron document* |
| street: "123 Fake Street", |
| city: "Faketon", |
| state: "MA", |
| zip: "12345" |
| } |
|  |
| { |
| patron\_id: "joe", |
| street: "1 Some Other Street", |
| city: "Boston", |
| state: "MA", |
| zip: "12345" |
| } |

Embed address to patron

| { |
| --- |
| "\_id": "joe", |
| "name": "Joe Bookreader", |
| "addresses": [ |
| { |
| "street": "123 Fake Street", |
| "city": "Faketon", |
| "state": "MA", |
| "zip": "12345" |
| }, |
| { |
| "street": "1 Some Other Street", |
| "city": "Boston", |
| "state": "MA", |
| "zip": "12345" |
| } |
| ] |
| } |

Advice for chat schema design

<https://www.mongodb.com/community/forums/t/advice-for-chat-schema-design/114166>