Eyes Unclouded App – MongoDB Document Schema (NoSQL)

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# MongoDB Collection Structures for Symbolic App

This document outlines NoSQL collection formats (document-style) to match your app’s JSON structure in Flask + PyMongo.

## users

{  
 "\_id": ObjectId(),  
 "username": "StrategicSoul",  
 "role": "Mentor",  
 "class": "Queen of the Eagle Order",  
 "created\_at": ISODate("2025-04-19T15:00:00Z")  
}

## user\_notes

{  
 "\_id": ObjectId(),  
 "user\_id": ObjectId("..."),  
 "virtue\_id": ObjectId("..."),  
 "note\_text": "I noticed fear triggers when I suppress my instinct.",  
 "timestamp": ISODate("2025-04-19T17:45:00Z")  
}

## virtues

{  
 "\_id": ObjectId(),  
 "name": "Patience",  
 "description": "The ability to endure or wait without agitation.",  
 "category": "Moral"  
}

## expressions

{  
 "\_id": ObjectId(),  
 "name": "Inner Brow Raise",  
 "description": "Common sign of sadness, empathy, or surprise.",  
 "associated\_emotion": "Sadness"  
}

## virtue\_expression\_link

{  
 "\_id": ObjectId(),  
 "virtue\_id": ObjectId("..."),  
 "expression\_id": ObjectId("..."),  
 "context\_note": "Raising the brows may indicate humility or internal conflict."  
}

## sources

{  
 "\_id": ObjectId(),  
 "title": "The Art of War",  
 "author": "Sun Tzu",  
 "type": "Book",  
 "year": -500  
}

## source\_virtue\_link

{  
 "\_id": ObjectId(),  
 "source\_id": ObjectId("..."),  
 "virtue\_id": ObjectId("..."),  
 "insight\_note": "Every battle is won before it is fought — Wisdom linked to foresight."  
}

## chapters

{  
 "\_id": ObjectId(),  
 "title": "Chapter 1: Oath of the Cuttlefish",  
 "summary": "Geveriel speaks in cloaked riddles. Maximus listens.",  
 "audio\_filename": "chapter1.mp3",  
 "scene\_tags": ["Geveriel", "Lie", "Cloak", "Maximus"]  
}

## perception\_entries

{  
 "\_id": ObjectId(),  
 "user\_id": ObjectId("..."),  
 "chapter\_id": ObjectId("..."),  
 "emotion": "Curiosity",  
 "expression\_tag": "Inner Brow Raise",  
 "insight\_text": "Maximus sensed contradiction in Geveriel's voice tone.",  
 "role\_type": "Seeker",  
 "timestamp": ISODate("2025-04-19T17:00:00Z")  
}