# **MongoDB CRUD operation StoryVerse**

## ****1. USERS Collection****

### Create

db.users.insertOne({

username: "storyfan123",

email: "storyfan123@storyverse.com",

bio: "Loves sci-fi and fantasy storytelling.",

roles: ["reader", "writer"],

endorsements: 25,

createdAt: new Date(),

updatedAt: new Date()

})

### Read

db.users.find({ roles: "writer" })

### Update

db.users.updateOne(

{ email: "storyfan123@storyverse.com" },

{ $set: { bio: "Now exploring mystery genres.", updatedAt: new Date() } }

)

### Delete

db.users.deleteOne({ email: "storyfan123@storyverse.com" })

## ****2. STORIES Collection****

### Create

db.stories.insertOne({

title: "The Last Sunrise",

genre: "Sci-Fi",

mood: "Suspenseful",

creatorId: ObjectId("..."),

contributors: [],

chapters: [],

status: "ongoing",

createdAt: new Date(),

updatedAt: new Date()

})

### Read

db.stories.find({ genre: "Sci-Fi" })

### Update

db.stories.updateOne(

{ title: "The Last Sunrise" },

{ $set: { status: "completed", updatedAt: new Date() } }

)

### Delete

db.stories.deleteOne({ title: "The Last Sunrise" })

## ****3. CHAPTERS Collection****

### Create

db.chapters.insertOne({

storyId: ObjectId("..."),

title: "Chapter 1: Awakening",

content: "In a world where the sun no longer rises...",

media: { images: [], audio: [] },

contributors: [ObjectId("...")],

createdAt: new Date(),

updatedAt: new Date()

})

### Read

db.chapters.find({ storyId: ObjectId("...") })

### Update

db.chapters.updateOne(

{ title: "Chapter 1: Awakening" },

{ $set: { content: "Updated chapter content here...", updatedAt: new Date() } }

)

### Delete

db.chapters.deleteOne({ title: "Chapter 1: Awakening" })

## ****4. CHARACTERS Collection****

### Create

db.characters.insertOne({

name: "Elysia",

storyId: ObjectId("..."),

description: "A time traveler lost in ancient Egypt.",

traits: ["brave", "curious"],

timelineEvents: [],

createdAt: new Date(),

updatedAt: new Date()

})

### Read

db.characters.find({ storyId: ObjectId("...") })

### Update

db.characters.updateOne(

{ name: "Elysia" },

{ $push: { traits: "resourceful" }, $set: { updatedAt: new Date() } }

)

### Delete

db.characters.deleteOne({ name: "Elysia" })

## ****5. VOTES Collection (for Branching Narratives & Canon Decisions)****

### Create

db.votes.insertOne({

storyId: ObjectId("..."),

chapterOptions: [

{ optionId: ObjectId("..."), votes: 10 },

{ optionId: ObjectId("..."), votes: 5 }

],

votingEndsAt: new Date(new Date().getTime() + 3 \* 24 \* 60 \* 60 \* 1000), // 3 days from now

createdAt: new Date(),

updatedAt: new Date()

})

### Read

db.votes.find({ storyId: ObjectId("...") })

### Update

db.votes.updateOne(

{ storyId: ObjectId("..."), "chapterOptions.optionId": ObjectId("...") },

{ $inc: { "chapterOptions.$.votes": 1 }, $set: { updatedAt: new Date() } }

)

### Delete

db.votes.deleteOne({ storyId: ObjectId("...") })

## ****6. PROMPTS Collection (for Reader-Initiated Stories & Story Seeds)****

### Create

db.prompts.insertOne({

promptText: "What if the sun never rose again?",

creatorId: ObjectId("..."),

genre: "Sci-Fi",

mood: "Dark",

createdAt: new Date(),

updatedAt: new Date()

})

### Read

db.prompts.find({ genre: "Sci-Fi" })

### Update

db.prompts.updateOne(

{ promptText: "What if the sun never rose again?" },

{ $set: { mood: "Suspenseful", updatedAt: new Date() } }

)

### Delete

db.prompts.deleteOne({ promptText: "What if the sun never rose again?" })

## ****7. ENDORSEMENTS Collection (Tokens/Gifting System)****

### Create

db.endorsements.insertOne({

fromUserId: ObjectId("..."),

toUserId: ObjectId("..."),

tokens: 5,

message: "Loved your latest chapter!",

createdAt: new Date()

})

### Read

db.endorsements.find({ toUserId: ObjectId("...") })

### Update

db.endorsements.updateOne(

{ \_id: ObjectId("...") },

{ $set: { tokens: 10 } }

)

### Delete

db.endorsements.deleteOne({ \_id: ObjectId("...") })

## 8. AUDIOSTORIES Collection (for Audio Story Mode)

### Create

db.audiostories.insertOne({

storyId: ObjectId("..."),

chapterId: ObjectId("..."),

narrator: "AI Voice 1",

audioUrl: "https://cdn.storyverse.com/audio/chapter1.mp3",

soundEffects: ["thunder", "footsteps"],

createdAt: new Date(),

updatedAt: new Date()

})

### Read

db.audiostories.find({ storyId: ObjectId("...") })

### Update

db.audiostories.updateOne(

{ chapterId: ObjectId("...") },

{ $set: { narrator: "AI Voice 2", updatedAt: new Date() } }

)

### Delete

db.audiostories.deleteOne({ chapterId: ObjectId("...") })