### **Title: MongoDB – CRUD Operations (Users, Challenges, Entries)**

### **users Collection**

#### **Create**

js

CopyEdit

db.users.insertOne({

username: "Hema",

email: "hema@example.com",

isPrivate: false,

travelStats: { countriesVisited: 20, entriesCreated: 34 },

challenges: [],

createdAt: new Date(),

updatedAt: new Date()

})

#### **Read**

js

CopyEdit

db.users.find({ "travelStats.countriesVisited": { $gte: 10 } })

#### **Update**

js

CopyEdit

db.users.updateOne(

{ username: "Hema" },

{ $set: { "isPrivate": true, updatedAt: new Date() } }

)

#### **Delete**

js

CopyEdit

db.users.deleteOne({ username: "Hema" })

### **challenges Collection**

#### **Create**

js

CopyEdit

db.challenges.insertOne({

title: "Visit 10 Countries",

description: "Travel to 10 countries and document each",

participants: [],

achievedBy: [],

badge: "🌍 World Explorer",

type: "travel-count",

createdAt: new Date()

})

#### **Read**

js

CopyEdit

db.challenges.find({ type: "food-culture" })

#### **Update**

js

CopyEdit

db.challenges.updateOne(

{ title: "Visit 10 Countries" },

{ $addToSet: { participants: ObjectId("userId") } }

)

#### **Delete**

js

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db.challenges.deleteOne({ title: "Visit 10 Countries" })

### 

### 

### **entries Collection**

#### **Create**

js

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db.entries.insertOne({

userId: ObjectId("..."),

title: "Sunrise at Eiffel Tower",

content: "A magical moment at dawn.",

location: {

name: "Paris, France",

coordinates: { type: "Point", coordinates: [2.29, 48.85] }

},

mood: "awestruck",

tags: ["europe", "landmark"],

isPublic: true,

createdAt: new Date(),

updatedAt: new Date()

})

#### **Read**

js

CopyEdit

db.entries.find({ "location.name": /France/i, isPublic: true })

#### **Update**

js

CopyEdit

db.entries.updateOne(

{ title: "Sunrise at Eiffel Tower" },

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

)

#### **Delete**

js

CopyEdit

db.entries.deleteOne({ title: "Sunrise at Eiffel Tower" })