MongoDB CRUD Operations Documentation

Project: Adventure Planner Platform

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# Collections Used

Users, Adventures, Bookings, Reviews

# Users Collection

## Create

db.users.insertOne({  
 \_id: "u003",  
 name: "Sreervija Reddy",  
 email: "vija@example.com",  
 phone: "9000000000"  
});

## Read

db.users.find();  
db.users.findOne({ \_id: "u001" });

## Update

db.users.updateOne(  
 { \_id: "u002" },  
 { $set: { phone: "9999999999" } }  
);

## Delete

db.users.deleteOne({ \_id: "u003" });

# Adventures Collection

## Create

db.adventures.insertOne({  
 \_id: "adv003",  
 title: "Sky Diving in Mysuru",  
 location: "Mysuru",  
 difficulty: "Advanced",  
 price: 3500,  
 duration: "1 day",  
 availableDates: ["2025-10-01"]  
});

## Read

db.adventures.find();  
db.adventures.findOne({ \_id: "adv001" });

## Update

db.adventures.updateOne(  
 { \_id: "adv002" },  
 { $set: { price: 2200 } }  
);

## Delete

db.adventures.deleteOne({ \_id: "adv003" });

# Bookings Collection

## Create

db.bookings.insertOne({  
 \_id: "b003",  
 user\_id: "u003",  
 adventure\_id: "adv001",  
 date: "2025-08-17",  
 status: "pending"  
});

## Read

db.bookings.find();  
db.bookings.find({ user\_id: "u001" });

## Update

db.bookings.updateOne(  
 { \_id: "b001" },  
 { $set: { status: "confirmed" } }  
);

## Delete

db.bookings.deleteOne({ \_id: "b003" });

# Reviews Collection

## Create

db.reviews.insertOne({  
 \_id: "r003",  
 user\_id: "u003",  
 adventure\_id: "adv002",  
 rating: 5,  
 comment: "Loved every second!"  
});

## Read

db.reviews.find();  
db.reviews.find({ adventure\_id: "adv001" });

## Update

db.reviews.updateOne(  
 { \_id: "r001" },  
 { $set: { rating: 5 } }  
);

## Delete

db.reviews.deleteOne({ \_id: "r003" });

# Conclusion

This document outlines the CRUD operations for managing different collections in the Adventure Planner Platform using MongoDB. Each operation ensures proper handling of data for users, adventures, bookings, and reviews.