# **MongoDB CRUD operation Airport\_management**

## **1.** aircrafts collection

### Create

db.aircarfts.insertOne({

**\_id**: ObjectId('6881ef67cfb2fcaa6eb6d403')

**aircraft\_id**: "AC013"

**model**: "Bombardier Q400"

**capacity**: 78

**manufacturer**: "Bombardier"

**status**: "Active"

### Read

db.aircarfts.find({ city: "AC013" })

### Update

db.aircarfts.updateOne(

**manufacturer**: "Bombardier"

**status**: "Active"

)

### Delete

db.aircarfts.deleteOne({“**aircraft\_id**: "AC013"”})

## **2.** airports **Collection**

### Create

db.airports.insertOne({

**\_id**: ObjectId('68850d99b8c7f45e65a5a9ce')

**airport\_id**: "BOM"

**name**: "Chhatrapati Shivaji Maharaj International Airport"

**city**: "Mumbai"

**country**: "India"

**iata\_code**: "BOM"

**terminals**: 2

})

### Read

db.airports.find({**city**: "Mumbai"})

### Update

db.airports.updateOne({**airport\_id**: "BOM"}

**{name**: "Chhatrapati Shivaji Maharaj International Airport"}

)

### Delete

db.airports.deleteOne({“ **terminals**: 2 “})

## **3.** bookings **Collection**

### Create

db.bookings.insertOne({

**\_id**: ObjectId('68850de8b8c7f45e65a5a9d1')

**booking\_id**: "BK1001"

**passenger\_id**: ObjectId('6881f1c9cfb2fcaa6eb6d501')

**flight\_id**: ObjectId('68812c05962b0e15adfd0e14')

**seat\_number**: "12A"

**booking\_date**: 2025-07-26T09:30:00.000+00:00

**status**: "confirmed"

**payment\_status**: "paid"

})

### Read

db.bookings.find({**booking\_id**: "BK1001"})

### Update

db.bookings.updateOne(**booking\_id**: "BK1001"

**passenger\_id**: ObjectId('6881f1c9cfb2fcaa6eb6d501')

)

### Delete

db.bookings.deleteOne(**flight\_id**: ObjectId('68812c05962b0e15adfd0e14')

## **4.** checkIns **Collection**

### Create

db.checkIns.insertOne({ **\_id**: ObjectId('68850e16b8c7f45e65a5a9d4')

**checkin\_id**: "CI1001"

**booking\_id**: "BK1001"

**passenger\_id**: ObjectId('6881f1c9cfb2fcaa6eb6d501')

**flight\_id**: ObjectId('68812c05962b0e15adfd0e14')

**checkin\_time**: 2025-08-01T08:30:00.000+00:00

**baggage\_count**: 1

**seat\_number**: "12A"

**status**: "checked-in"

})

### Read

db.checkIns.find({**baggage\_count**: 1

})

### Update

db.checkIns.updateOne(**seat\_number**: "12A"

**status**: "checked-in"

})

### Delete

db.checkIns.deleteOne({**status**: "checked-in"

})

## **5.** crew **Collection**

### Create

db.crew.insertOne(

{**\_id**: ObjectId('68850e4fb8c7f45e65a5a9d7')

**crew\_id**: "CRW001"

**name**: "Captain Arjun Mehra"

**role**: "Pilot"

**employee\_id**: "EMP1001"

**assigned\_flight\_id**: ObjectId('68812c05962b0e15adfd0e14')

**license\_number**: "IN-PILOT-7890"

**status**: "on duty"

})

### Read

db.crew.find({**role**: "Pilot"

**employee\_id**: "EMP1001"

})

### Update

db.crew.updateOne(**name**: "Captain Arjun Mehra"

**role**: "Pilot"

)

### Delete

db.crew.deleteOne({**crew\_id**: "CRW001"

})

## **6.** flights **Collection**

### Create

db.flights.insertOne({

**\_id**: ObjectId('68850aeeb8c7f45e65a5a9c5')

**flightNumber**: "AI505"

**airline**: "Air India"

**source**: "Chennai"

**destination**: "Delhi"

**departure**: 2025-08-05T06:00:00.000+00:00

**arrival**: 2025-08-05T08:30:00.000+00:00

**aircraftId**: ObjectId('68812bb0962b0e15adfd0e0f')

**status**: "delayed"

})

### Read

## **6.** flights **Collection**

### Create

db.flights.insertOne({

**\_id**: ObjectId('68850aeeb8c7f45e65a5a9c5')

**flightNumber**: "AI505"

**airline**: "Air India"

**source**: "Chennai"

**destination**: "Delhi"

**departure**: 2025-08-05T06:00:00.000+00:00

**arrival**: 2025-08-05T08:30:00.000+00:00

**aircraftId**: ObjectId('68812bb0962b0e15adfd0e0f')

**status**: "delayed"

})

### Read

db.flights.find({**aircraftId**: ObjectId('68812bb0962b0e15adfd0e0f')

**status**: "delayed"

})

### Update

db.flights.updateOne(**source**: "Chennai"

**destination**: "Delhi"

})

### Delete

Db.flights.deleteOne({**status**: "delayed"

})

## **7.** notifications **Collection**

### Create

db.notifications.insertOne({**\_id**: ObjectId('68850e77b8c7f45e65a5a9da')

**notification\_id**: "NTF001"

**recipient\_type**: "passenger"

**recipient\_id**: ObjectId('6881f1c9cfb2fcaa6eb6d501')

**message**: "Your flight AI202 is delayed by 30 minutes due to weather conditions."

**timestamp**: 2025-08-01T07:00:00.000+00:00

**status**: "sent"

})

### Read

db.notifications.find({**message**: "Your flight AI202 is delayed by 30 minutes due to weather conditions."

})

### Update

db.notifications.updateOne(**notification\_id**: "NTF001"

**recipient\_type**: "passenger"

})

### Delete (empty cart)

db.notifications.deleteOne({**status**: "sent"

})

## **8.** passengers **Collection**

### Create

db.passengers.insertOne({ **\_id**: ObjectId('6885a9dab8c7f45e65a5a9de')

**passenger\_id**: "PAX1001"

**name**: "Aishwarya G V"

**email**: "aishwarya.gv@example.com"

**phone**: "+91-9876543210"

**gender**: "Female"

**date\_of\_birth**: 2005-04-08T00:00:00.000+00:00

**passport\_number**: "M1234567"

**nationality**: "Indian"

})

### Read

db.passengers.find({**passenger\_id**: "PAX1001"

**name**: "Aishwarya G V"

})

### Update

db.passengers.updateOne**({date\_of\_birth**: 2005-04-08T00:00:00.000+00:00

})

### Delete (empty cart)

db.passengers.deleteOne({**gender**: "Female"

})