






























MongoDB CRUD Operations

USERS:

```
>_MONGOSH
> use ouick_bits_canteen
< switched to db ouick_bits_canteen
> db.menu_items.insertOne({
  name: "Chole Bhature",
  description: "Spicy chickpeas with fried bread",
  price: 70,
  diet_type: "vegetarian",
  nutrition: { calories: 350 },
  allergens: ["gluten"],
  availability: true,
  createdAt: new Date(),
  updatedAt: new Date()
})
< {
  acknowledged: true,
  insertedId: ObjectId('688441ce87537987a7951318')
}
Atlas atlas-lgnawz-shard-0 [primary] ouick_bits_canteen>
```

```
> db.menu_items.find({ availability: true });
< {
  _id: ObjectId('688441ce87537987a7951318'),
  name: 'Chole Bhature',
  description: 'Spicy chickpeas with fried bread',
  price: 70,
  diet_type: 'vegetarian',
  nutrition: {
    calories: 350
  },
  allergens: [
    'gluten'
  ],
  availability: true,
  createdAt: 2025-07-26T02:47:42.064Z,
  updatedAt: 2025-07-26T02:47:42.064Z
}
```

```
> db.menu_items.updateOne(
  { name: "Chole Bhature" },
  { $set: { availability: false, updatedAt: new Date() } }
)
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

| users | | | | | | |
|-------|------------------------------|----------------|---------------|------------------------------|-------------|--|
| | _id ObjectId | user_id String | name String | email String | role String | preferenc |
| 1 | ObjectId('68842753f181689... | "U100" | "User 0" | "user0@university.edu" | "student" | { } 3 fiel    |
| 2 | ObjectId('68842753f181689... | "U101" | "User 1" | "user1@university.edu" | "faculty" | { } 3 fiel    |
| 3 | ObjectId('68842753f181689... | "U102" | "User 2" | "user2@university.edu" | "student" | { } 3 fiel    |
| 4 | ObjectId('68842753f181689... | "U103" | "User 3" | "user3@university.edu" | "faculty" | { } 3 fiel    |
| 5 | ObjectId('68842753f181689... | "U104" | "User 4" | "user4@university.edu" | "student" | { } 3 fiel    |
| 6 | ObjectId('68842753f181689... | "U105" | "User 5" | "user5@university.edu" | "faculty" | { } 3 fiel    |
| 7 | ObjectId('68842753f181689... | "U106" | "User 6" | "user6@university.edu" | "student" | { } 3 fiel    |
| 8 | ObjectId('68842753f181689... | "U107" | "User 7" | "user7@university.edu" | "faculty" | { } 3 fiel    |
| 9 | ObjectId('68842753f181689... | "U108" | "User 8" | "user8@university.edu" | "student" | { } 3 fiel    |
| 10 | ObjectId('68842753f181689... | "U109" | "User 9" | "user9@university.edu" | "faculty" | { } 3 fiel    |
| 11 | ObjectId('68843b3c7a5fdd0... | No field | "Riya Sharma" | "riya.sharma@university.e... | "student" | { } 3 fiel    |

FEEDBACK:

```

>_MONGOSH
> use ouick_bits_canteen
< switched to db ouick_bits_canteen
> db.feedback.insertOne({
  user_id: ObjectId("66b1f1e9bcda7f1234567899"),
  order_id: ObjectId("66b1f7e9bcda7f1234567891"),
  food_rating: 5,
  delivery_rating: 4,
  comment: "Very tasty food and quick delivery!",
  timestamp: new Date()
})
< {
  acknowledged: true,
  insertedId: ObjectId('688444062269b9ed2c54c76a')
}
Atlas atlas-lgnawz-shard-0 [primary] ouick_bits_canteen>

```

```

> db.feedback.find({ food_rating: { $gte: 4 } });
< {
  _id: ObjectId('6884278af181689da77f786e'),
  feedback_id: 'F700',
  user_id: 'U100',
  order_id: 'O500',
  food_rating: 4,
  delivery_rating: 3,
  comment: 'Feedback comment 0',
  timestamp: '2025-07-25T06:08:40.931852Z'
}
{
  _id: ObjectId('6884278af181689da77f786f'),
  feedback_id: 'F701',
  user_id: 'U101',
  order_id: 'O501',
  food_rating: 4,
  delivery_rating: 5,
  comment: 'Feedback comment 1',
  timestamp: '2025-07-25T06:18:40.931861Z'
}
{

```

```

> db.feedback.updateOne(
  { _id: ObjectId("66b206e4bcda7f1234567893") },
  { $set: { comment: "Excellent taste, well packed!", timestamp: new Date() } }
)
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 0
}

> db.feedback.deleteOne({ _id: ObjectId("66b206e4bcda7f1234567893") });
< {
  acknowledged: true,
  deletedCount: 0
}

```

| feedback | | | | | | |
|----------|------------------------------|--------------------|------------------------------|------------------------------|-------------------|-----------|
| | _id ObjectId | feedback_id String | user_id Mixed | order_id Mixed | food_rating Int32 | delivery_ |
| 1 | ObjectId('6884278af181689... | "F700" | "U100" | "0500" | 4 | 3 |
| 2 | ObjectId('6884278af181689... | "F701" | "U101" | "0501" | 4 | 5 |
| 3 | ObjectId('6884278af181689... | "F702" | "U102" | "0502" | 3 | 4 |
| 4 | ObjectId('6884278af181689... | "F703" | "U103" | "0503" | 3 | 5 |
| 5 | ObjectId('6884278af181689... | "F704" | "U104" | "0504" | 3 | 5 |
| 6 | ObjectId('6884278af181689... | "F705" | "U105" | "0505" | 3 | 3 |
| 7 | ObjectId('6884278af181689... | "F706" | "U106" | "0506" | 4 | 4 |
| 8 | ObjectId('6884278af181689... | "F707" | "U107" | "0507" | 4 | 5 |
| 9 | ObjectId('6884278af181689... | "F708" | "U108" | "0508" | 4 | 3 |
| 10 | ObjectId('6884278af181689... | "F709" | "U109" | "0509" | 3 | 5 |
| 11 | ObjectId('688444062269b9e... | No field | ObjectId('66b1f1e9bcda7f1... | ObjectId('66b1f7e9bcda7f1... | 5 | 4 |

INVERSTORS:

```

> db.inventory.insertOne({
  item_id: ObjectId("66b1fe44bcda7f1234567892"),
  ingredient: "Paneer",
  quantity: 12,
  unit: "kg",
  last_updated: new Date(),
  low_stock_threshold: 2
})
< {
  acknowledged: true,
  insertedId: ObjectId('688444857b0220ece3195160')
}

```

```

  item_id: ObjectId("66b1fe44bcda7f1234567892"),
  ingredient: "Paneer",
  quantity: 12,
  unit: "kg",
  last_updated: ISODate("2025-07-26T10:35:00Z"),
  low_stock_threshold: 2
}
]
[
  {
    _id: ObjectId('66b21c99bcda7f1234567894'),
    item_id: ObjectId('66b1fe44bcda7f1234567892'),
    ingredient: 'Paneer',
    quantity: 12,
    unit: 'kg',
    last_updated: 2025-07-26T10:35:00.000Z,
    low_stock_threshold: 2
  }
]

```










```

> db.orders.updateOne(
  { _id: ObjectId("66b1f7e9bcda7f1234567891") },
  { $set: { status: "delivered", updatedAt: new Date() } }
)
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 0
}

```

```
db.orders.deleteOne({ _id: ObjectId("66b1f7e9bcda7f1234567891") });

{
  acknowledged: true,
  deletedCount: 0
}
```

| investors | | | | | | | |
|-----------|------------------------------|----------------------|----------------|----------------|-------------|-----------|---|
| | _id ObjectId | ingredient_id String | name String | quantity Int32 | unit String | last_upda | |
| 1 | ObjectId('68843a8bf181689... | "I100" | "Ingredient 0" | 42 | "kg" | "2025-07- |     |
| 2 | ObjectId('68843a8bf181689... | "I101" | "Ingredient 1" | 9 | "kg" | "2025-07- |     |
| 3 | ObjectId('68843a8bf181689... | "I102" | "Ingredient 2" | 41 | "kg" | "2025-07- |     |
| 4 | ObjectId('68843a8bf181689... | "I103" | "Ingredient 3" | 33 | "kg" | "2025-07- |     |
| 5 | ObjectId('68843a8bf181689... | "I104" | "Ingredient 4" | 30 | "kg" | "2025-07- |     |
| 6 | ObjectId('68843a8bf181689... | "I105" | "Ingredient 5" | 28 | "kg" | "2025-07- |     |
| 7 | ObjectId('68843a8bf181689... | "I106" | "Ingredient 6" | 31 | "kg" | "2025-07- |     |
| 8 | ObjectId('68843a8bf181689... | "I107" | "Ingredient 7" | 24 | "kg" | "2025-07- |     |
| 9 | ObjectId('68843a8bf181689... | "I108" | "Ingredient 8" | 32 | "kg" | "2025-07- |     |
| 10 | ObjectId('68843a8bf181689... | "I109" | "Ingredient 9" | 22 | "kg" | "2025-07- |     |

ORDERS:

```

db.orders.insertOne({
  user_id: ObjectId("66b1f1e9bcda7f1234567899"),
  items: [
    { item_id: ObjectId("66b1f1e9bcda7f1234567880"), name: "Veg Pulao", qty: 1, price: 60 },
  ],
  total_price: 60,
  status: "preparing",
  location: "Library",
  ordered_at: new Date(),
  createdAt: new Date(),
  updatedAt: new Date()
})
{
  acknowledged: true,
  insertedId: ObjectId('688444fa2a6a45df8888c8bb')
}

```

```

> db.orders.find({ status: "preparing" });
< {
  _id: ObjectId('688440185e2959f3d30487c9'),
  user_id: ObjectId('66b1f1e9bcda7f1234567899'),
  items: [
    {
      item_id: ObjectId('66b1f1e9bcda7f1234567880'),
      name: 'Veg Pulao',
      qty: 1,
      price: 60
    }
  ],
  total_price: 60,
  status: 'preparing',
  location: 'Library',
  ordered_at: 2025-07-26T02:40:24.812Z,
  createdAt: 2025-07-26T02:40:24.812Z,
  updatedAt: 2025-07-26T02:40:24.812Z
}

```

```

> db.orders.updateOne(
  { _id: ObjectId("66b1f7e9bcda7f1234567891") },
  { $set: { status: "delivered", updatedAt: new Date() } }
)
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 0
}

```

```
db.orders.deleteOne({ _id: ObjectId("66b1f7e9bcda7f1234567891") });

{
  acknowledged: true,
  deletedCount: 0
}
```

QUICK_BITES:

```
db.users.insertOne({
  username: "RiyaSharma",
  email: "riya@university.edu",
  password: "hashed_pass",
  role: "student",
  profilePic: "https://picsum.photos/40/40",
  createdAt: new Date()
})
{
  acknowledged: true,
  insertedId: ObjectId('688445f95131fdac000ce1ab')
}
```

```
> db.users.find({ role: "student" });
{
  _id: ObjectId('68842753f181689da77f7863'),
  user_id: 'U100',
  name: 'User 0',
  email: 'user0@university.edu',
  role: 'student',
  preferences: {
    diet: 'vegetarian',
    spice_level: 'low',
    allergies: [
      'dairy',
      'peanuts'
    ]
  },
  location: 'Library',
  order_history: [
    '0500',
    '0501'
  ],
  ratings: [
    {
      order_id: '0500',
      food: 4,
      delivery: 4
    }
  ]
}
```

```

db.users.updateOne(
  { username: "RiyaSharma" },
  { $set: { role: "moderator" } }
)
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}



```

```

> db.users.deleteOne({ username: "RiyaSharma" });
< {
  acknowledged: true,
  deletedCount: 1
}

```

🏠 quick_bite

| | _id ObjectId | users Array | orders Array | menu_items Array | inventory Array | feedback |
|---|------------------------------|----------------|----------------|------------------|-----------------|---|
| 1 | ObjectId('68843a57f181689... | [] 10 elements | [] 10 elements | [] 10 elements | [] 10 elements | [] 10 ele    |