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## Assignment 5.2

### Projections

a. Adding a new user and verifying the new user was added

```
Atlas atlas-94li3l-shard-0 [primary] web335DB> db.users.insertOne({
...   firstName: "Antonio",
...   lastName: "Vivaldi",
...   employeeId: "1013",
...   email: "avivaldi@me.com",
...   dateCreated: new Date()
... })
{
  acknowledged: true,
  insertedId: ObjectId('66e620be9c3a03f1e2345a2a')
}
Atlas atlas-94li3l-shard-0 [primary] web335DB> □
```

```
Atlas atlas-94li3l-shard-0 [primary] web335DB> db.users.find({ email: "avivaldi@me.com" })
[
  {
    _id: ObjectId('66e620be9c3a03f1e2345a2a'),
    firstName: 'Antonio',
    lastName: 'Vivaldi',
    employeeId: '1013',
    email: 'avivaldi@me.com',
    dateCreated: ISODate('2024-09-14T23:48:14.901Z')
  }
]
```

b. Updating Mozart's email and verifying the update

```
Atlas atlas-94li3l-shard-0 [primary] web335DB> db.users.updateOne(
...   { firstName: "Wolfgang", lastName: "Mozart" },
...   { $set: { email: "mozart@me.com" } }
... )
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Atlas atlas-94li3l-shard-0 [primary] web335DB> □
```

```

Atlas atlas-94li3l-shard-0 [primary] web335DB> db.users.find({ firstName: "Wolfgang",
lastName: "Mozart" })
[
  {
    _id: ObjectId('66de0c9a2d9d75e21b9a886b'),
    firstName: 'Wolfgang',
    lastName: 'Mozart',
    employeeId: '1009',
    email: 'mozart@me.com',
    dateCreated: ISODate('2024-09-08T20:44:10.124Z')
  }
]
Atlas atlas-94li3l-shard-0 [primary] web335DB> 

```

### c. Display all users with projections

```

Atlas atlas-94li3l-shard-0 [primary] web335DB> db.users.find({}, { _id: 0, firstName:
1, lastName: 1, email: 1 })
[
  { firstName: 'Johann', lastName: 'Bach', email: 'jbach@me.com' },
  {
    firstName: 'Ludwig',
    lastName: 'Beethoven',
    email: 'lbeethoven@me.com'
  },
  { firstName: 'Wolfgang', lastName: 'Mozart', email: 'mozart@me.com' },
  {
    firstName: 'Johannes',
    lastName: 'Brahms',
    email: 'jbrahms@me.com'
  },
  { firstName: 'Richard', lastName: 'Wagner', email: 'rwagner@me.com' },
  {
    firstName: 'Claude',
    lastName: 'Debussy',
    email: 'cdebussy@me.com'
  },
  {
    firstName: 'Antonio',
    lastName: 'Vivaldi',
    email: 'avivaldi@me.com'
  }
]
Atlas atlas-94li3l-shard-0 [primary] web335DB> 

```