Unit





# Common Mongoose Commands

## Learning Objectives:

• Learning the syntax to leverage basic CRUD operations with Mongoose

Here is a list and examples of some common Mongoose Commands you may need to use. These will be used in most Mongoose projects so make sure to practice them as much as you can.

### Defining a User Schema

```
const UserSchema = new mongoose.Schema({
name: { type: String },
age: { type: Number }
}, { timestamps: true })
const User = mongoose.model('User', UserSchema);
```

# Finding all Users

```
User.find()
    .then(users => {
    .catch(err => res.json(err));
```

#### Finding all Users where their name is Jessica

```
User.find({name:'Jessica'})
    .then(usersNamedJessica => {
    })
    .catch(err => res.json(err));
```

# Finding one User by \_id

```
User.findOne({_id: '5d34d361db64c9267ed91f73'})
    .then(user => {
    .catch(err => res.json(err));
```

## Create a user

```
\ensuremath{//}\xspace\ldots collection and save it to the DB.
const bob = new User(req.body);
// if we look at req.body as an object literal it would look like this
bob.save()
   .then(newUser => {
   })
    .catch(err => res.json(err));
```

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# Create a user (simplified)

#### Delete all users

#### Delete one user

#### Update one record

```
// ...update 1 document that matches the query object criteria
User.updateOne({name: 'Bob Ross'}, {
    name: 'Ross Bob',
    $push: {pets: {name: 'Sprinkles', type: 'Chubby Unicorn' }}
})
    .then(result => {
        // logic with result -- note this will be the original object by default!
    })
    .catch(err => res.json(err));
```

# **Advanced Queries**

#### An alternative way to update a record

```
User.findOne({name: 'Bob Ross'})
   .then(user => {
     user.name = 'Rob Boss';
     user.pets.push({name: 'Sprinkles', type: 'Chubby Unicorn'});
     return user.save();
})
   .then(saveResult => res.json(saveResult))
   .catch(err => res.json(err));
```

## Validate for uniqueness before creating new DB entry

For more resources on mongoose commands: <a href="http://mongoosejs.com/docs/index.html">http://mongoosejs.com/docs/index.html</a>

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