

- 1.
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- 1.
2. `find findOne`
- 3.

Mongoose

```
const mongoose = require('mongoose')

var eventSchema = new mongoose.Schema({
  eventName: {type: 'string', required: true},
  dateTime: {type: 'Date', required: true},
})
var Event = mongoose.model('Event', eventSchema)

const myEvent = new Event({
  eventName: 'Make School Demo Night',
  dateTime: new Date(2020, 2, 6, 18, 30, 0) // March 6, 2020 at 6:30PM
})

myEvent.save() // Save to our Mongoose database
```

Promise

```
Event.findOne({ eventName: 'Make School Demo Night' })
  .then(demoNightEvent => {
    console.log(demoNightEvent)
```

```
})
```

```
Event.findOneAndUpdate(  
  { eventName: 'Make School Demo Night' }, // How to find the event  
  { dateTime: new Date(2020, 6, 6, 18, 30, 0) } // What to change  
)  
.then(demoNightEvent => {  
  console.log(demoNightEvent)  
})
```

```
Event.findOneAndDelete({ eventName: 'Make School Demo Night' })  
.then(result => {  
  console.log('Successfully deleted.')  
})
```

starter code

npm install

User

src/models/user.js

```
const UserSchema = new Schema({  
  username: { type: String, required: true },  
  password: { type: String, select: false }  
})  
  
const User = mongoose.model('User', UserSchema)  
  
module.exports = User
```

src/routes/user.js

```
const User = require('../models/user')  
  
router.get('/', (req, res) => {  
  User.find().then((users) => {  
    return res.json({users})  
  })  
  .catch((err) => {
```

```

        throw err.message
    });
}

router.get('/:userId', (req, res) => {
    console.log(`User id: ${req.params.userId}`)
    User.findById(req.params.userId).then((user) => {
        return res.json({user})
    })
    .catch((err) => {
        throw err.message
    });
})

router.post('/', (req, res) => {
    let user = new User(req.body)
    user.save().then(userResult => {
        return res.json({user: userResult})
    }).catch((err) => {
        throw err.message
    })
})

router.put('/:userId', (req, res) => {
    User.findByIdAndUpdate(req.params.userId, req.body).then((user) => {
        return res.json({user})
    }).catch((err) => {
        throw err.message
    })
})

router.delete('/:userId', (req, res) => {
    User.findByIdAndDelete(req.params.userId).then(() => {
        return res.json({
            'message': 'Successfully deleted.',
            '_id': req.params.userId
        })
    })
    .catch((err) => {
        throw err.message
    })
})

```

```

// ...
const MessageSchema = new Schema({
    title: String,
    body: String,
    author: { type: Schema.Types.ObjectId, ref: "User", required: true },
})

```

```
})
```

models/user.js

```
const UserSchema = new Schema({  
  messages : [{ type: Schema.Types.ObjectId, ref: "Message" }]  
})
```

routes/message.js

User

```
/** Route to add a new message. */  
router.post('/', (req, res) => {  
  let message = new Message(req.body)  
  message.save()  
  .then(message => {  
    return User.findById(message.author)  
  })  
  .then(user => {  
    console.log(user)  
    user.messages.unshift(message)  
    return user.save()  
  })  
  .then(_ => {  
    return res.send(message)  
  }).catch(err => {  
    throw err.message  
  })  
})
```

```
UserSchema.pre('findOne', function (next) {  
  this.populate('messages')  
  next()  
})
```

```
UserSchema.pre('find', function (next) {  
  this.populate('messages')  
  next()  
})
```

m

Vibe Check form

1. [Mongoose Models](#)
2. [Mongoose Queries](#)
3. [Mongoose: Working with Dates](#)
4. [JavaScript Date](#)
5. [Moment.js](#)