

# ARBORESCENCE

## Server.js

```
const express = require('express');
const cors = require('cors');
const mongoose = require('mongoose');

require('dotenv').config();

const app = express();
const port = process.env.PORT || 5000;

app.use(cors());
app.use(express.json());

const uri = 'mongodb://localhost:27017';
mongoose.connect(uri, { useNewUrlParser: true, useCreateIndex: true }
);
const connection = mongoose.connection;
connection.once('open', () => {
  console.log("Connexion à MongoDB réussie");
})
```

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```

const exercisesRouter = require('./routes/exercises');
const usersRouter = require('./routes/users');

app.use('/exercises', exercisesRouter);
app.use('/users', usersRouter);

app.listen(port, () => {
  console.log(`notre appli est demare sur http://localhost:${port}`);
});

```

## LES MODELS

```

1  //exerciseSchema.model.js
2
3  const mongoose = require('mongoose');
4
5  const Schema = mongoose.Schema;
6
7  const exerciseSchema = new Schema({
8    username: { type: String, required: true },
9    description: { type: String, required: true },
10   duration: { type: Number, required: true },
11   date: { type: Date, required: true },
12 }, {
13   timestamps: true,
14 });
15
16 const Exercise = mongoose.model('Exercise', exerciseSchema);
17
18 module.exports = Exercise;
19

```

```

//userSchema.models.js

```

```

const mongoose = require('mongoose');

```

```

const Schema = mongoose.Schema;

```

```

const userSchema = new Schema({
  username: {
    type: String,
    required: true,
    unique: true,
    trim: true,
    minlength: 3
  },
}, {
  timestamps: true,
});

```

```

const User = mongoose.model('User', userSchema);

```

```

module.exports = User;

```

## LES ROUTES

```
//exercises.js
```

```
const router = require('express').Router();
let Exercise = require('../models/exercise.model');

router.route('/').get((req, res) => {
  Exercise.find()
    .then(exercises => res.json(exercises))
    .catch(err => res.status(400).json('Error: ' + err));
});

router.route('/add').post((req, res) => {
  const username = req.body.username;
  const description = req.body.description;
  const duration = Number(req.body.duration);
  const date = Date.parse(req.body.date);

  const newExercise = new Exercise({
    username,
    description,
    duration,
    date,
  });

  newExercise.save()
    .then(() => res.json('Exercise ajouté!'))
    .catch(err => res.status(400).json('Error: ' + err));
});
```

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```

router.route('/:id').get((req, res) => {
  Exercise.findById(req.params.id)
    .then(exercise => res.json(exercise))
    .catch(err => res.status(400).json('Error: ' + err));
});

router.route('/:id').delete((req, res) => {
  Exercise.findByIdAndDelete(req.params.id)
    .then(() => res.json('Exercise supprimé'))
    .catch(err => res.status(400).json('Error: ' + err));
});

router.route('/update/:id').post((req, res) => {
  Exercise.findById(req.params.id)
    .then(exercise => {
      exercise.username = req.body.username;
      exercise.description = req.body.description;
      exercise.duration = Number(req.body.duration);
      exercise.date = Date.parse(req.body.date);

      exercise.save()
        .then(() => res.json('Exercise modifié!'))
        .catch(err => res.status(400).json('Error: ' + err));
    })
    .catch(err => res.status(400).json('Error: ' + err));
});

```

```
module.exports = router;
```

```
// users.js
```

```

const router = require('express').Router();
let User = require('../models/user.model');

```

```

✓ router.route('/').get((req, res) => {
  User.find()
    .then(users => res.json(users))
    .catch(err => res.status(400).json('Error: ' + err));
});

```

```

✓ router.route('/add').post((req, res) => {
  const username = req.body.username;

  const newUser = new User({username});

  newUser.save()
    .then(() => res.json('User ajouté!'))
    .catch(err => res.status(400).json('Error: ' + err));
});

```

```
module.exports = router;
```