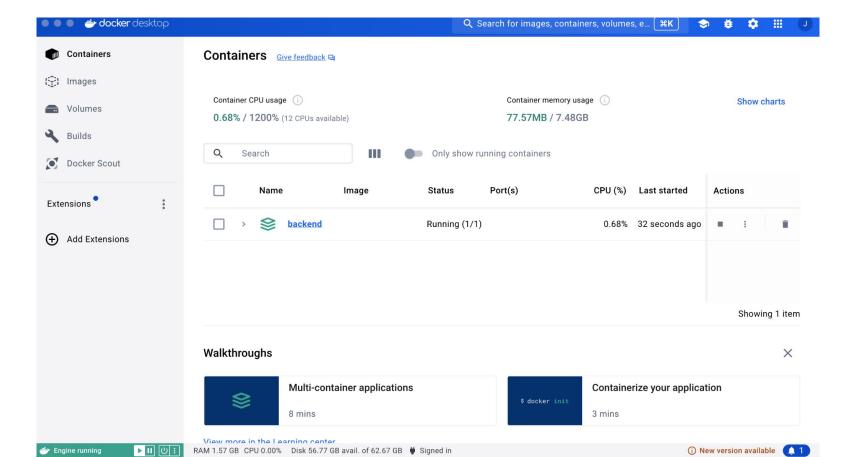
# Dokumentation Mongoose

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#### Install and sign up for Docker



#### **Docker Setup für MongoDB**

```
backend > * docker-compose.yml
       version: '3.8'
       services:
         mongodb:
           image: mongo:latest
           container_name: mongodb
           ports:
  6
             - "27017:27017"
           environment:
             MONGO_INITDB_ROOT_USERNAME: root
             MONGO_INITDB_ROOT_PASSWORD: example
 10
           volumes:
 11
 12
             - mongo-data:/data/db
 13
 14
       volumes:
 15
         mongo-data:
 16
```

## Run docker-compose up -d in terminal

```
≿testadmin@Julias-MBP-2 backend % docker-compose up -d
 WARN [0000] /Users/testadmin/Desktop/Knowledge Centre/FH Technikum/Semester2/Webframeworks/Highscore/einheit4/backend/docker-com
 pose.yml: `version` is obsolete
 [+] Running 7/9
  # mongodb [#######] 175.8MB / 265.5MB Pulling
                                                                                                                            44.05
                                                                                                                             28.0s

√ 7646c8da3324 Pull complete

✓ 11f24d004130 Pull complete

                                                                                                                            28.1s
                                                                                                                            28.5s
    ✓ 1dfef8821fc6 Pull complete

✓ bd2b135d9110 Pull complete

                                                                                                                            28.6s
                                                                                                                            28.7s
    76154bf34598 Pull complete

✓ a93134489020 Pull complete

                                                                                                                            28.7s
                                                                                            143.7...
                                                                                                                            41.55
    # fd1fa78ffcfb Downloading
    d91b3273507c Download complete
                                                                                                                             3.4s
```

# Install Mongoose in project folder

```
testadmin@Julias-MBP-2 backend % npm install mongoose
 npm warn deprecated @npmcli/move-file@2.0.1: This functionality has been moved to @npmcli/fs
 added 994 packages, and audited 995 packages in 20s
 99 packages are looking for funding
   run `npm fund` for details
 15 vulnerabilities (6 moderate, 8 high, 1 critical)
 To address all issues, run:
   npm audit fix
 Run `npm audit` for details.
```

### Create db.js file

```
backend > JS db.js > ...
       const mongoose = require('mongoose');
       const connectDB = async () => {
         try {
           await mongoose.connect('mongodb://root:example@localhost:27017/highscoredb?authSource=admin', {
             useNewUrlParser: true,
             useUnifiedTopology: true,
             useCreateIndex: true
           });
           console.log('MongoDB connected');
         } catch (err) {
 11
 12
           console.error(err.message);
 13
           process.exit(1);
 15
       };
 17
       module.exports = connectDB;
 18
```

# Connect to database in app.is

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```
backend > Js app.js > ...
       const express = require("express");
       const cors = require('cors');
       const connectDB = require('./db');
       const app = express();
       // Datenbankverbindung herstellen
       mnectDB();
       app.use(cors());
       app.use(express.json());
       const User = require('./models/userModel');
       const { HighScore, HighScoreListe } = require('./models/highscoreModel');
       // Beispiel-Routen für Benutzer- und Highscore-Verwaltung
       app.post("/users", async (reg, res) => {
           const { email, password, address, city, zipCode } = req.body;
           if (!email || !password || !address || !city || !zipCode) {
```

## run server.js and see how it connects to MongoDB

```
testadmin@Julias—MBP—2 backend % node server.js
Server started
(node:80941) [MONGODB DRIVER] Warning: useNewUrlParser is a deprecated option: useNewUrlParser has no effect since Node.js Driv er version 4.0.0 and will be removed in the next major version
(Use `node ——trace—warnings ...` to show where the warning was created)
(node:80941) [MONGODB DRIVER] Warning: useUnifiedTopology is a deprecated option: useUnifiedTopology has no effect since Node.j s Driver version 4.0.0 and will be removed in the next major version
MongoDB connected
```