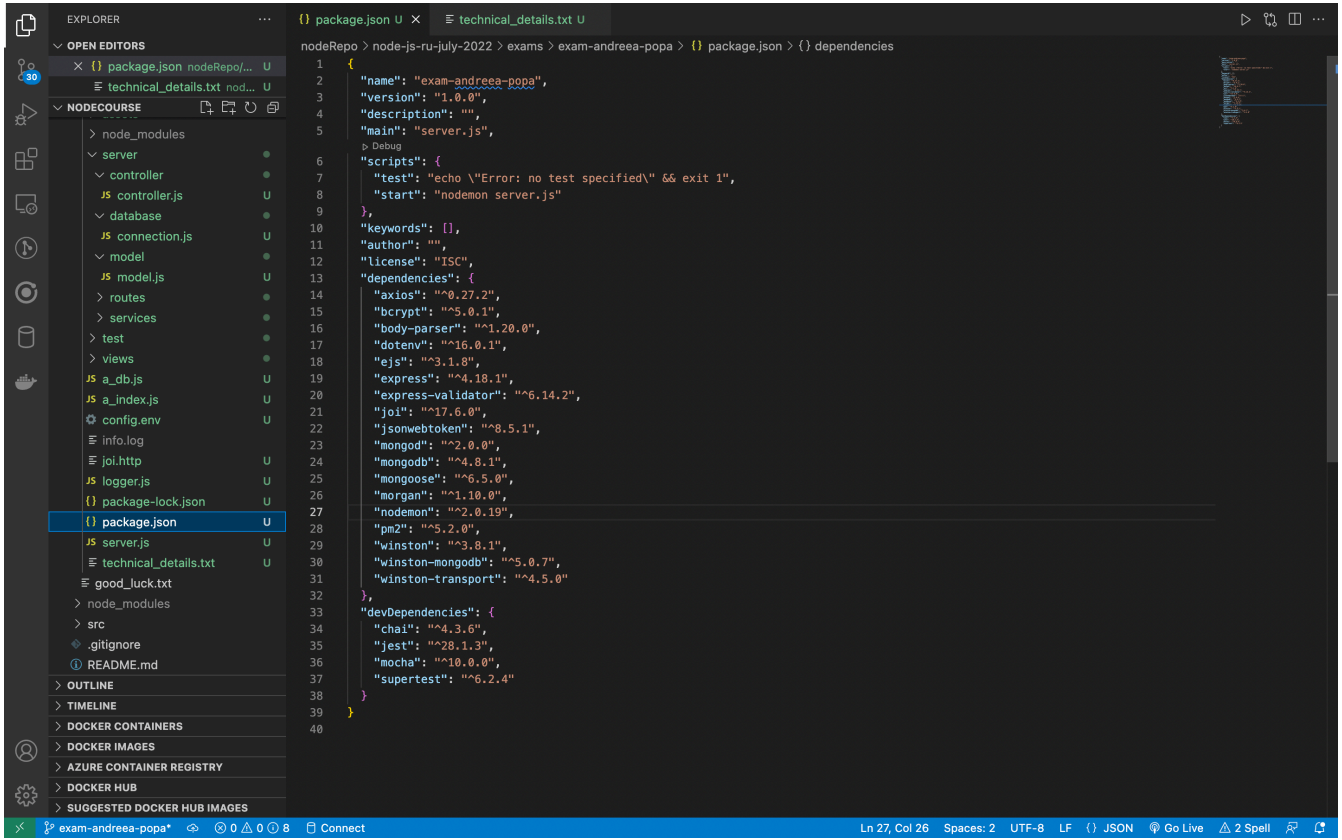
App Management

- Authentication part
- Electric Vehicle Management part

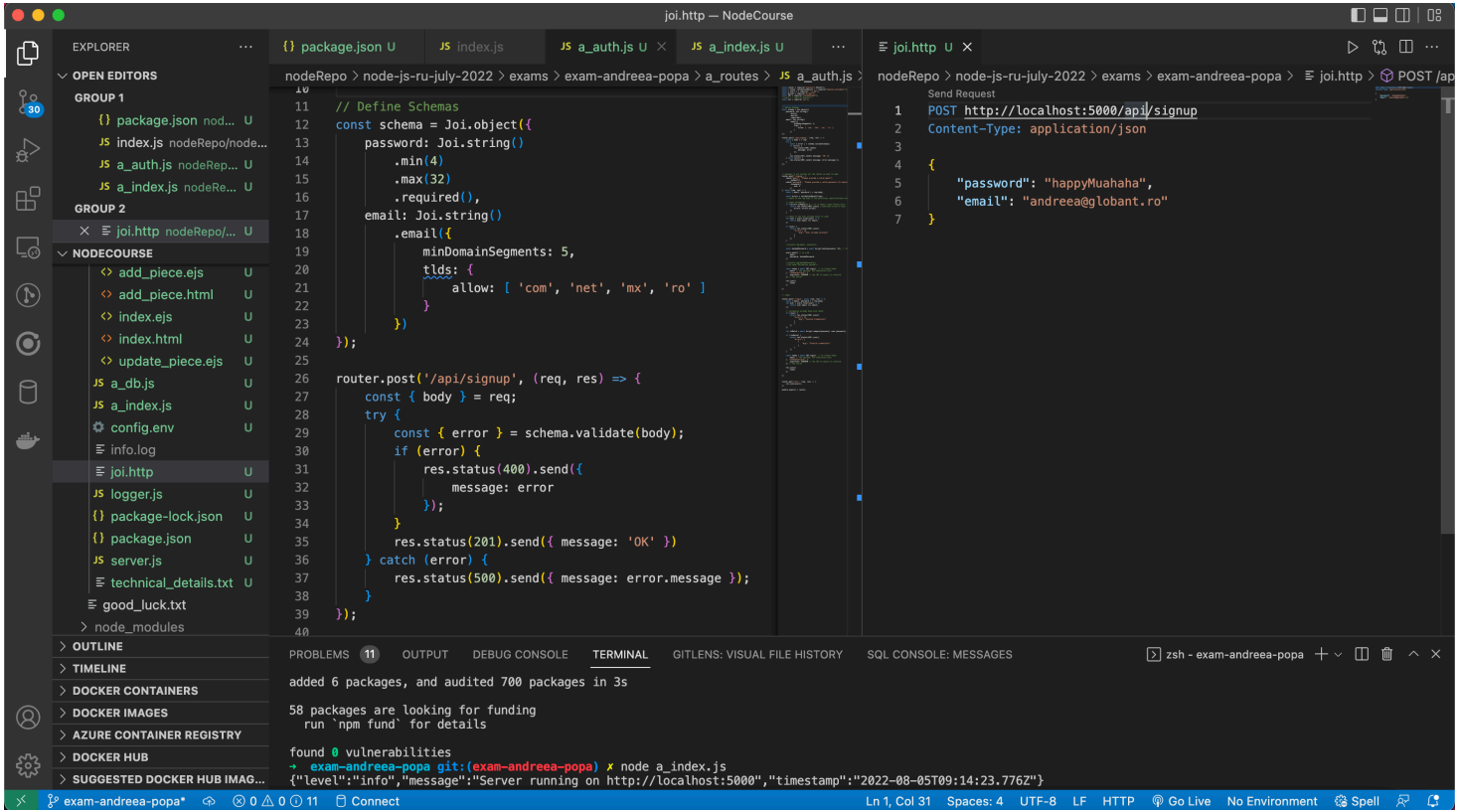
Programs:

- *Postman*
- *Atlas - MongoDB Cloud*
- *JSON Web Token - https://jwt.io/*

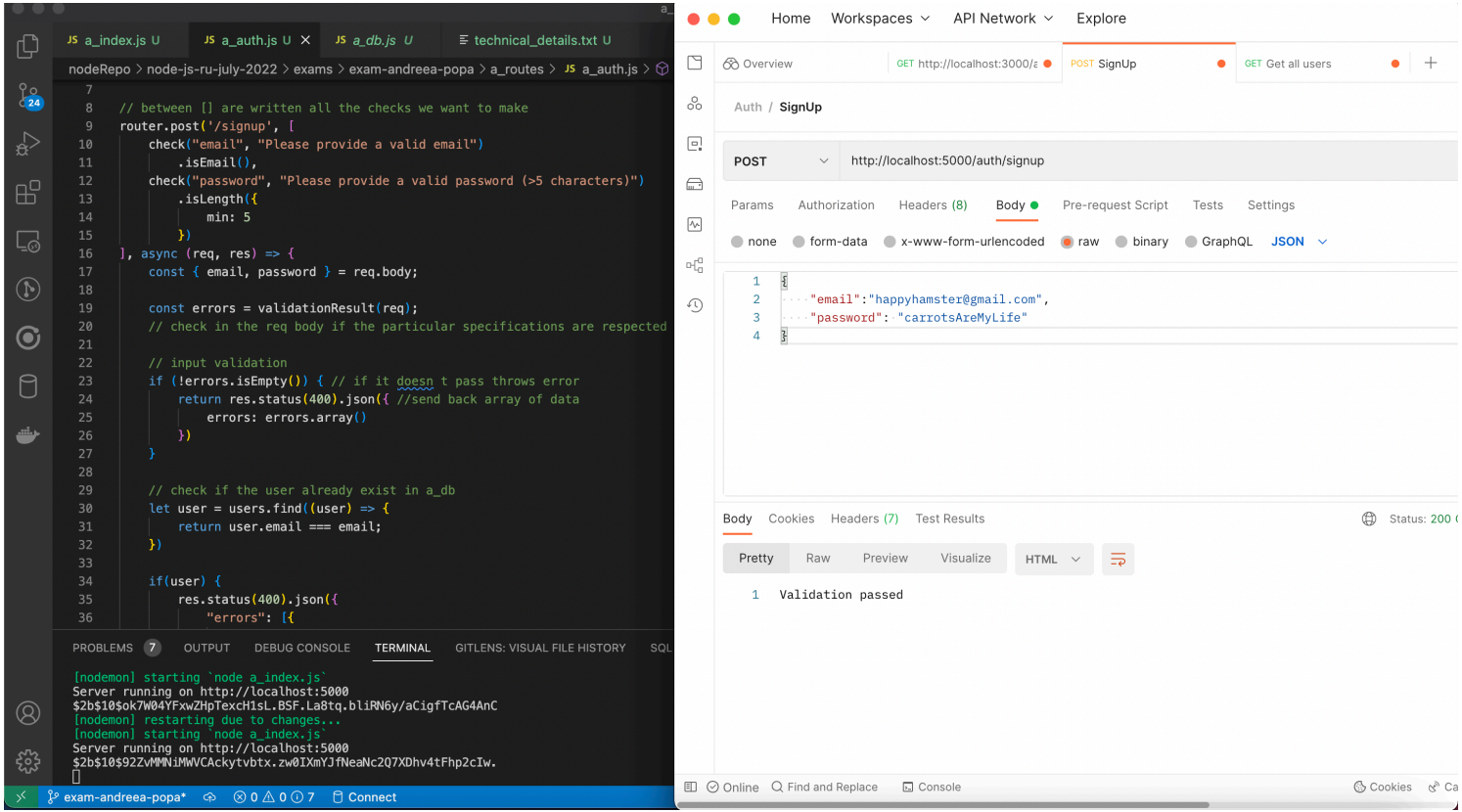
package.json



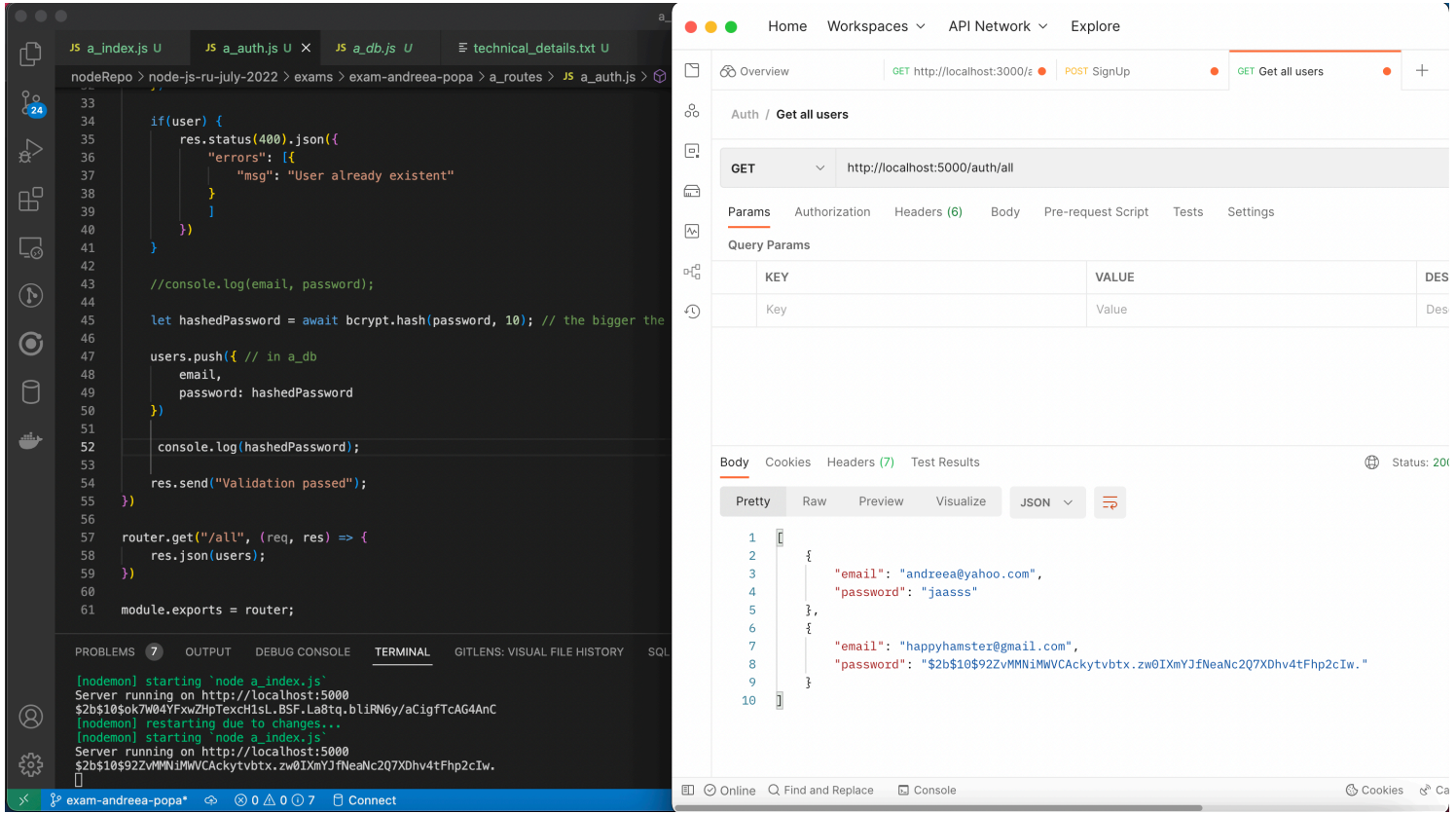
Authentication - User Validation - joi



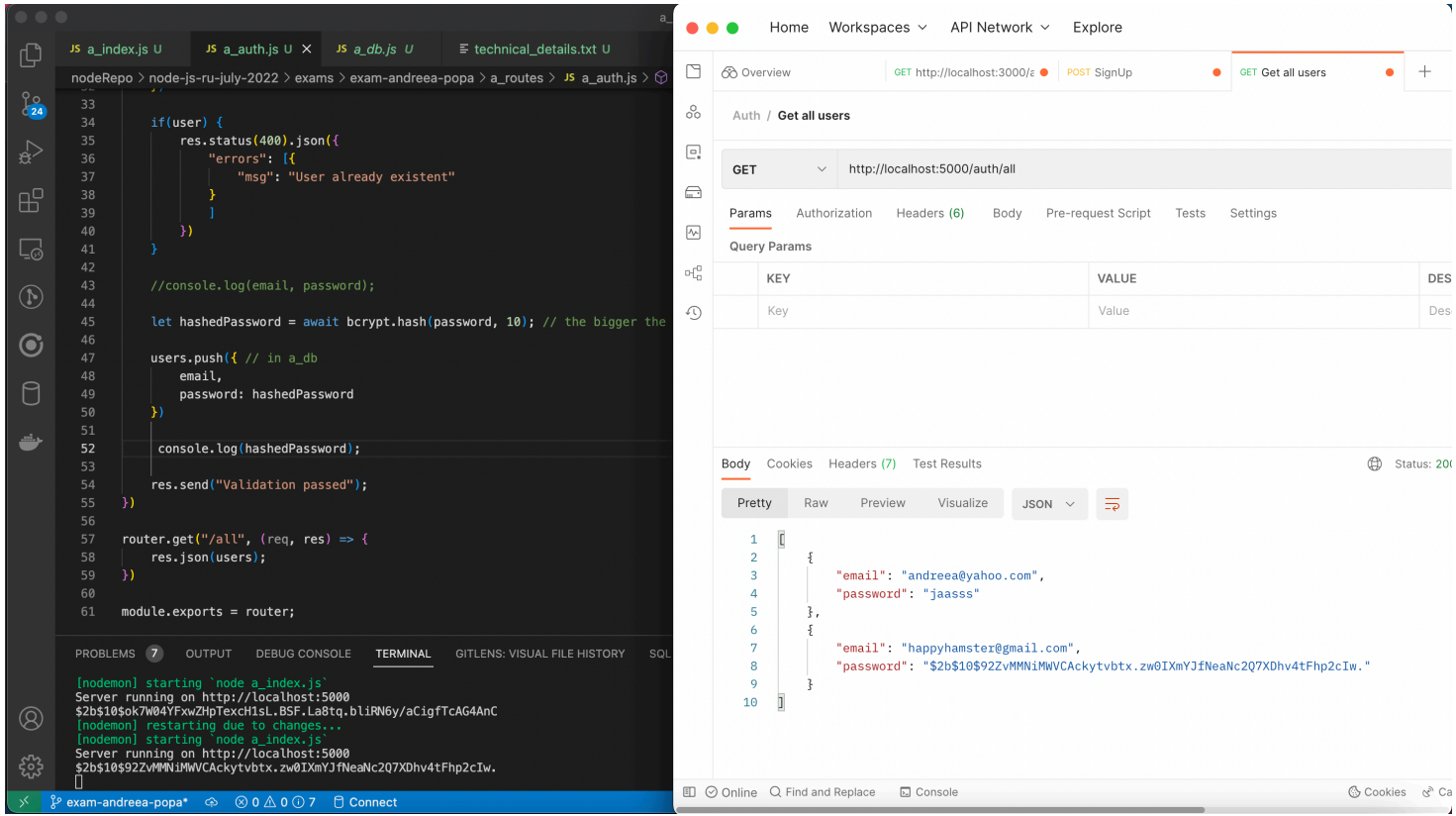
Authentication - User Validation



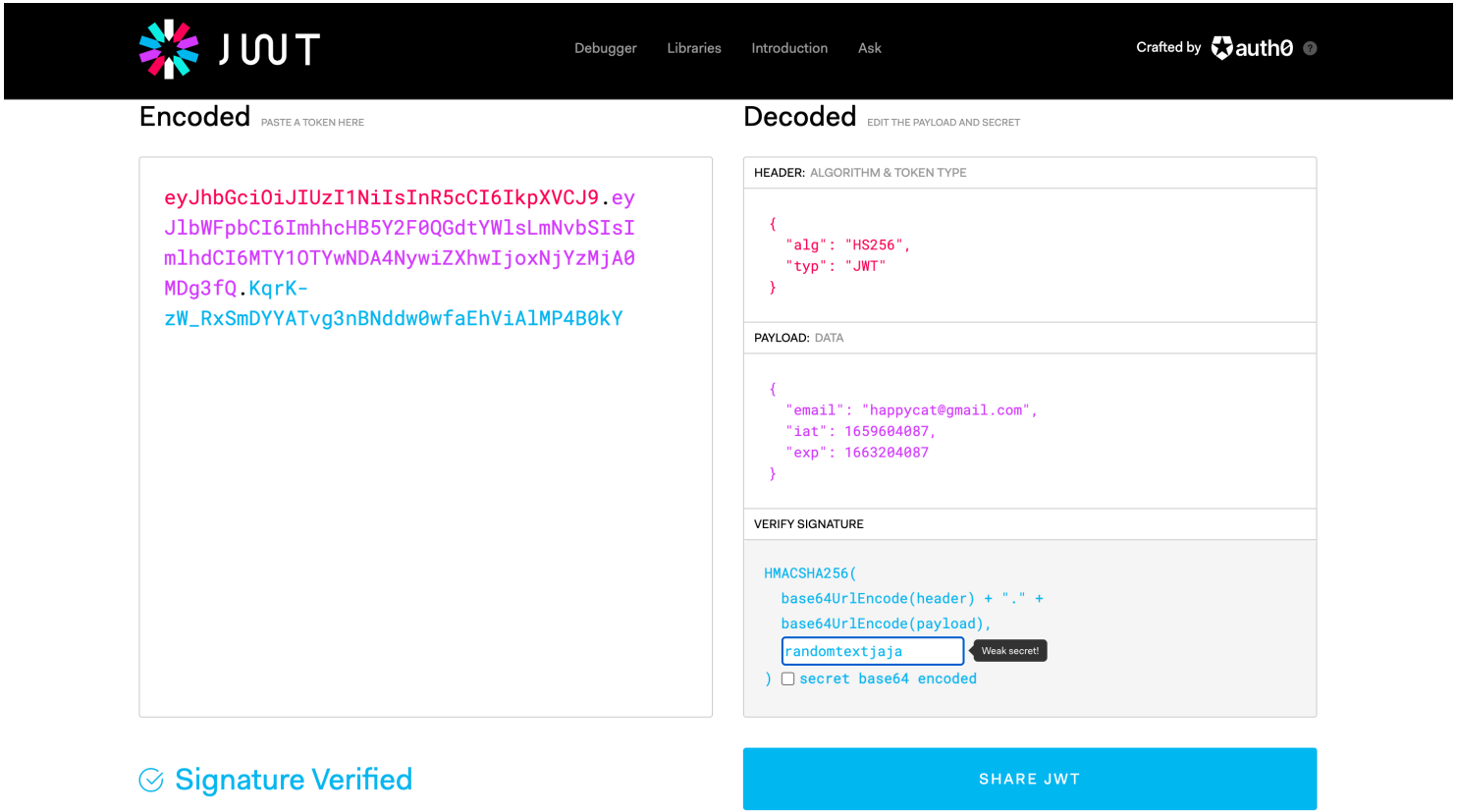
Authentication - password hashing



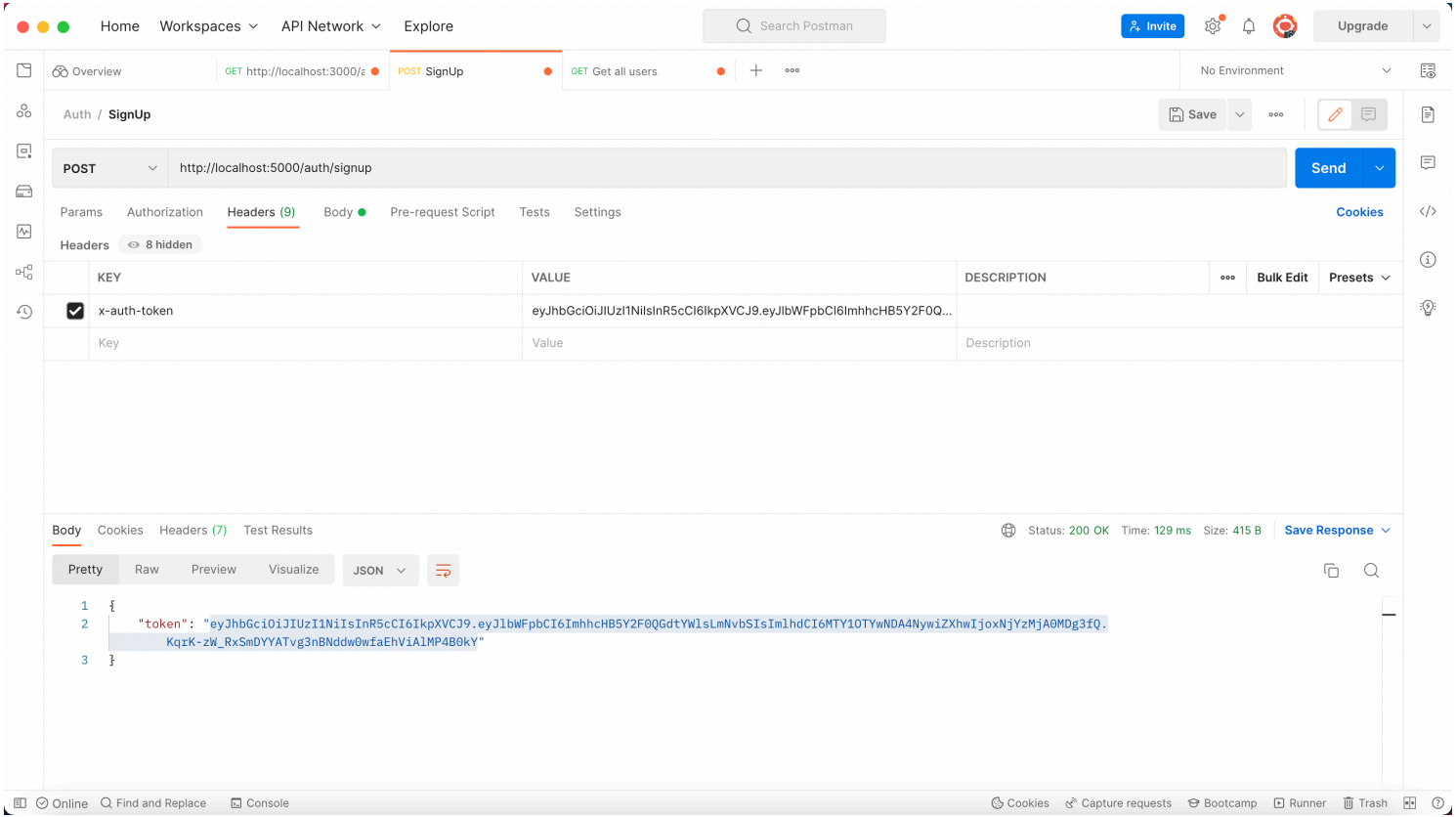
JWT


a_index.js U
a_auth.js U
a_db.js U
technical_details.txt U
nodeRepo > node-js-ru-july-2022 > exams > exam-andreea-popa > a_routes > a_auth.js
if(user) {
res.status(400).json({
"errors": [{
"msg": "User already existent"
}
]
})
}
//console.log(email, password);
let hashedPassword = await bcrypt.hash(password, 10); // the bigger the
users.push({ // in a_db
email,
password: hashedPassword
})
console.log(hashedPassword);
res.send("Validation passed");
})
router.get("/all", (req, res) => {
res.json(users);
})
module.exports = router;
PROBLEMS 7
OUTPUT
DEBUG CONSOLE
TERMINAL
GITLENS: VISUAL FILE HISTORY
[nodemon] starting `node a_index.js`
Server running on http://localhost:5000
$2b$10$ok7W04YFxwZHpTexcH1sL.BSF.La8tq.bliRN6y/aCigfTcAG4AnC
[nodemon] restarting due to changes...
[nodemon] starting `node a_index.js`
Server running on http://localhost:5000
$2b$10$92ZvMMNiMWVCAckytvbtx.zw0IXmYJfNeaNc2Q7XDhv4tFhp2cIw.
exam-andreea-popa*
Connect
Home
Workspaces
API Network
Explore
Overview
GET http://localhost:3000/a
POST SignUp
GET Get all users
Auth / Get all users
GET
http://localhost:5000/auth/all
Params
Authorization
Headers (6)
Body
Pre-request Script
Tests
Settings
Query Params
KEY
VALUE
Key
Value
Body
Cookies
Headers (7)
Test Results
Status: 200
Pretty
Raw
Preview
Visualize
JSON
[
{
"email": "andreea@yahoo.com",
"password": "jaasss"
},
{
"email": "happyhamster@gmail.com",
"password": "$2b$10$92ZvMMNiMWVCAckytvbtx.zw0IXmYJfNeaNc2Q7XDhv4tFhp2cIw."
}
]
Online
Find and Replace
Console
Cookies

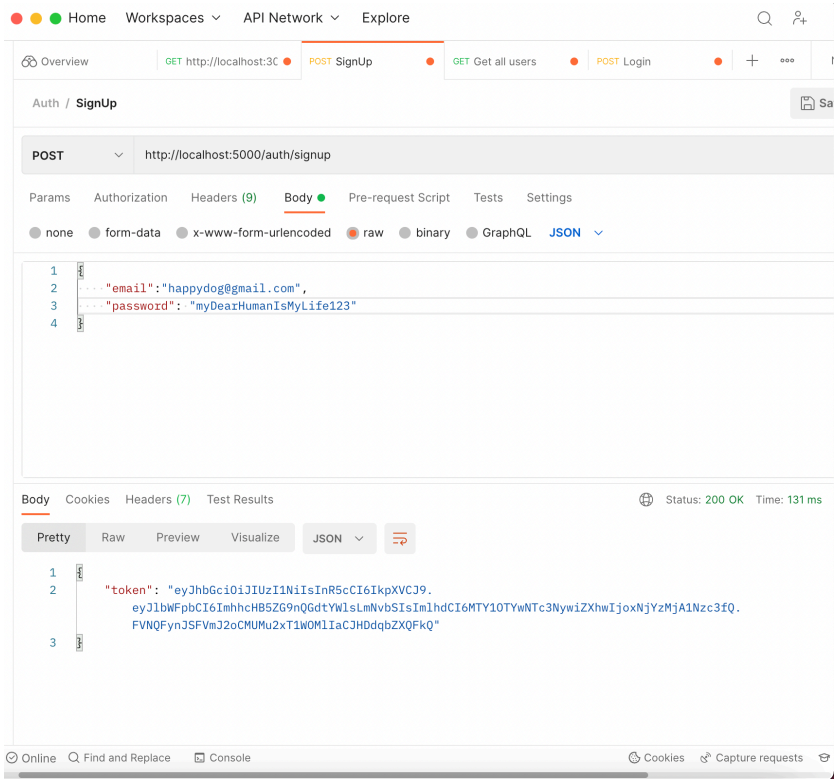
JWT

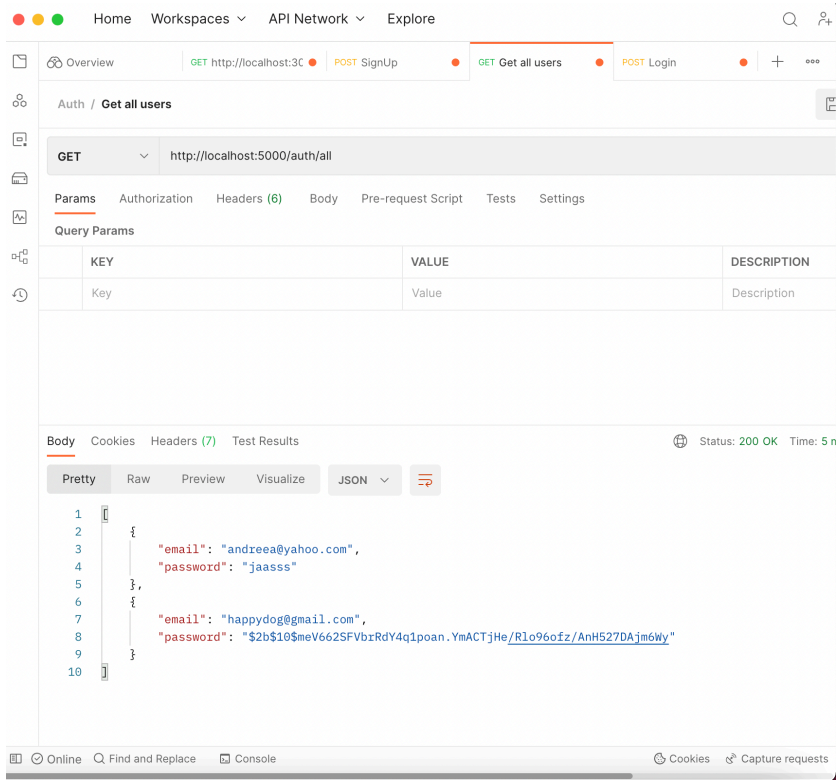

JWT
Debugger
Libraries
Introduction
Ask
Crafted by auth0
Encoded
PASTE A TOKEN HERE
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJlbWFpbCI6ImhhcHB5Y2F0QGdtYWlsLmNvbSIsImlhdCI6MTY1OTYwNDA4NywiZXhwIjoxNjYzMjA0MDg3fQ.KqrK-zW_RxSmDYYATvg3nBNddw0wfaEhViAlMP4B0kY
Decoded
EDIT THE PAYLOAD AND SECRET
HEADER: ALGORITHM & TOKEN TYPE
{
"alg": "HS256",
"typ": "JWT"
}
PAYLOAD: DATA
{
"email": "happycat@gmail.com",
"iat": 1659604087,
"exp": 1663204087
}
VERIFY SIGNATURE
HMACSHA256(
base64UrlEncode(header) + "." +
base64UrlEncode(payload),
randomtextjaja
Weak secret!
) secret base64 encoded
Signature Verified
SHARE JWT

JWT

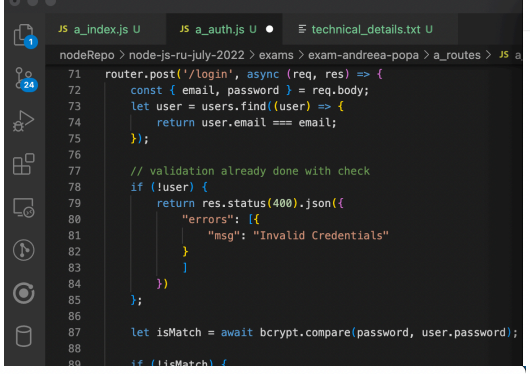

Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
Overview
GET http://localhost:3000/a
POST SignUp
GET Get all users
No Environment
Auth / SignUp
Save
POST
http://localhost:5000/auth/signup
Send
Params
Authorization
Headers (9)
Body
Pre-request Script
Tests
Settings
Cookies
Headers
8 hidden
KEY
VALUE
DESCRIPTION
Bulk Edit
Presets
x-auth-token
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJlbWFpbCI6ImhhcHB5Y2F0Q...
Key
Value
Description
Body
Cookies
Headers (7)
Test Results
Status: 200 OK
Time: 129 ms
Size: 415 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
{
"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJlbWFpbCI6ImhhcHB5Y2F0QGdtYWlsLmNvbSIsImlhdCI6MTY1OTYwNDA4NywiZXhwIjoxNjYzMjA0MDg3fQ.
KqrK-zW_RxSmDYYATvg3nBNddw0wfaEhViAlMP4B0kY"
}
Online
Find and Replace
Console
Cookies
Capture requests
Bootcamp
Runner
Trash

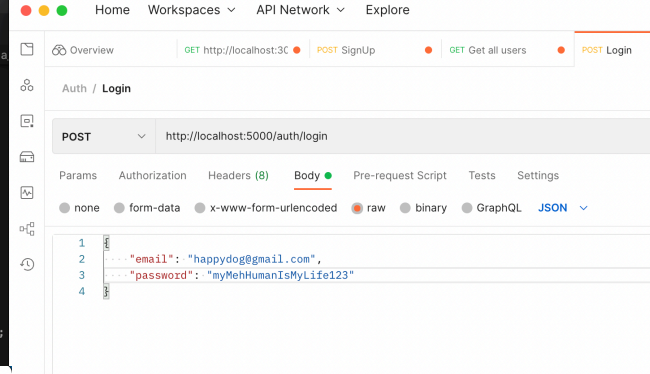
SignUp, GET all users

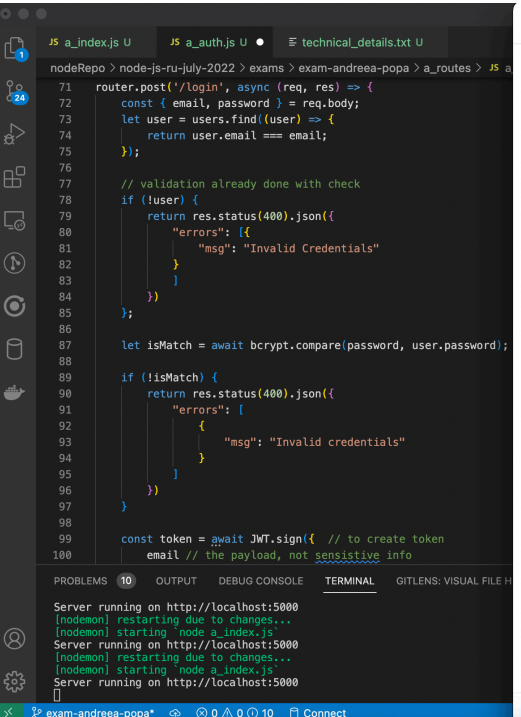


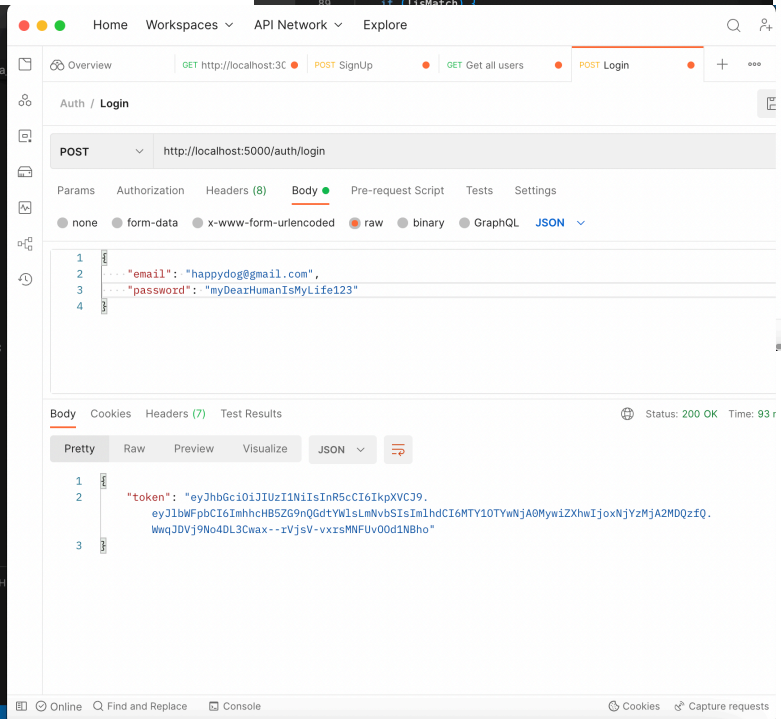


Login


a_index.js U
a_auth.js U
technical_details.txt U
nodeRepo > node-js-ru-july-2022 > exams > exam-andreea-popa > a_routes
router.post('/login', async (req, res) => {
const { email, password } = req.body;
let user = users.find((user) => {
return user.email === email;
});
// validation already done with check
if (!user) {
return res.status(400).json({
"errors": [{
"msg": "Invalid Credentials"
}
]
})
};
let isMatch = await bcrypt.compare(password, user.password);


Home
Workspaces
API Network
Explore
Overview
GET http://localhost:3C
POST SignUp
GET Get all users
POST Login
Auth / Login
POST
http://localhost:5000/auth/login
Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
"email": "happydog@gmail.com",
"password": "myMehHumanIsMyLife123"
Body
Cookies
Headers (7)
Test Results
Status:
Pretty
Raw
Preview
Visualize
JSON
"errors": [
{
"msg": "Invalid credentials"
}
]
Online
Find and Replace
Console


a_index.js U
a_auth.js U
technical_details.txt U
nodeRepo > node-js-ru-july-2022 > exams > exam-andreea-popa > a_routes
router.post('/login', async (req, res) => {
const { email, password } = req.body;
let user = users.find((user) => {
return user.email === email;
});
// validation already done with check
if (!user) {
return res.status(400).json({
"errors": [{
"msg": "Invalid Credentials"
}
]
})
};
let isMatch = await bcrypt.compare(password, user.password);
if (!isMatch) {
return res.status(400).json({
"errors": [
{
"msg": "Invalid credentials"
}
]
})
}
const token = await JWT.sign({ // to create token
email // the payload, not sensistive info
PROBLEMS 10
OUTPUT
DEBUG CONSOLE
TERMINAL
GITLENS: VISUAL FILE H
Server running on http://localhost:5000
[nodemon] restarting due to changes...
[nodemon] starting `node a_index.js`
Server running on http://localhost:5000
[nodemon] restarting due to changes...
[nodemon] starting `node a_index.js`
Server running on http://localhost:5000
exam-andreea-popa*
Connect


Home
Workspaces
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Explore
Overview
GET http://localhost:3C
POST SignUp
GET Get all users
POST Login
Auth / Login
POST
http://localhost:5000/auth/login
Params
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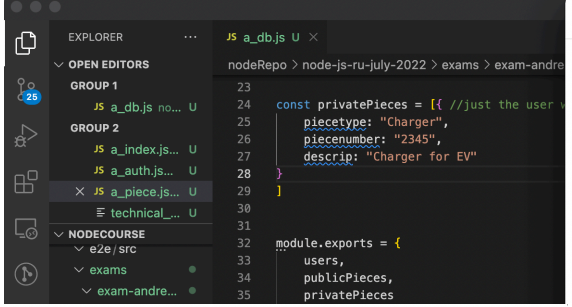
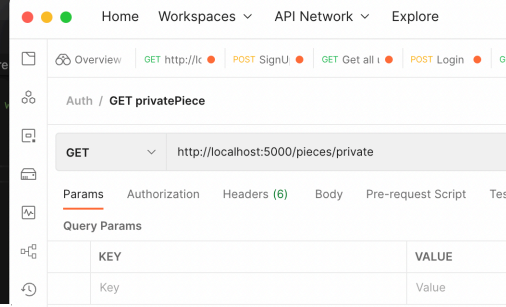
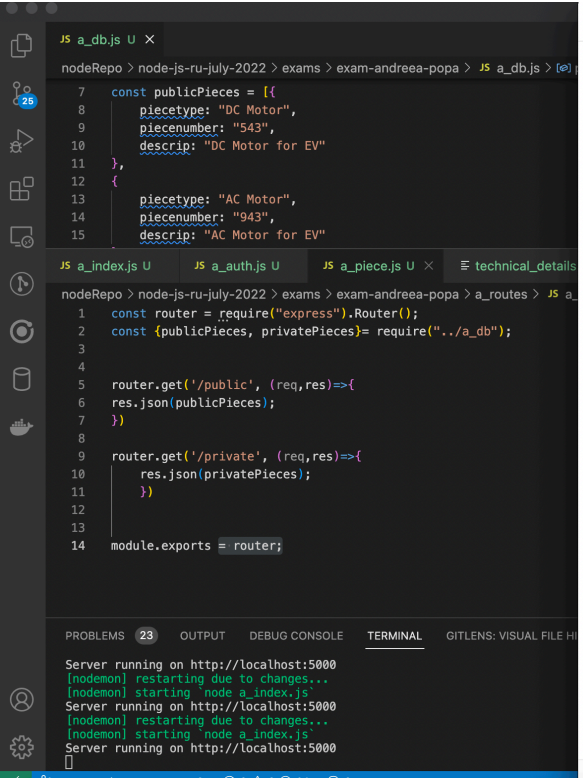
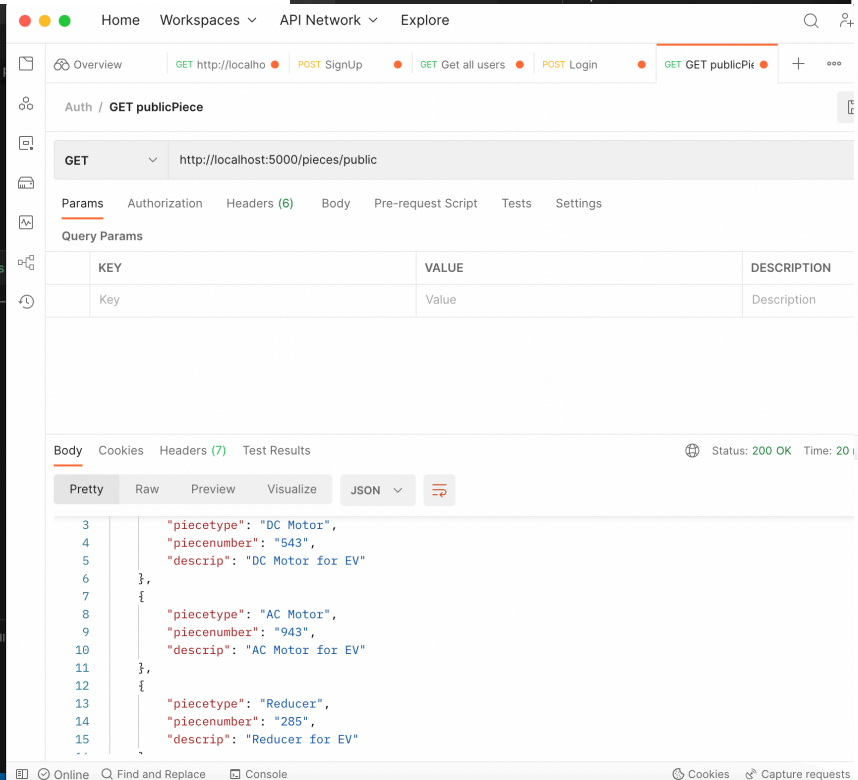
Headers (8)
Body
Pre-request Script
Tests
Settings
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
"email": "happydog@gmail.com",
"password": "myDearHumanIsMyLife123"
Body
Cookies
Headers (7)
Test Results
Status: 200 OK
Time: 93 r
Pretty
Raw
Preview
Visualize
JSON
"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
eyJlbWFpbCI6ImhhcHB5ZG9nQGdtYWlsLmNvbSIsImlhdCI6MTY1OTYwNjA0MywiZXhwIjoxNjYzMjA2MDQzfQ.
WwqJDVj9No4DL3Cwax--rVjsV-vxrsMNFUvOOd1NBho"
Online
Find and Replace
Console
Cookies
Capture requests

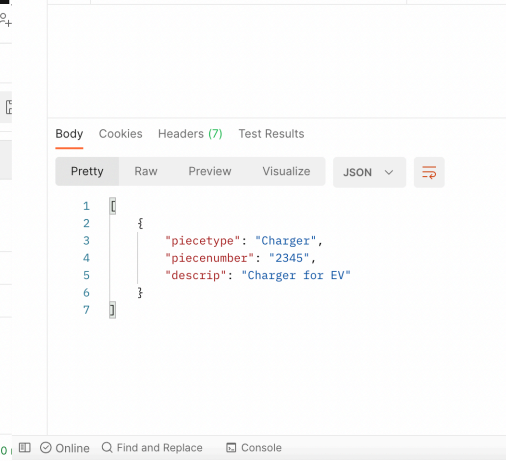
Authorization





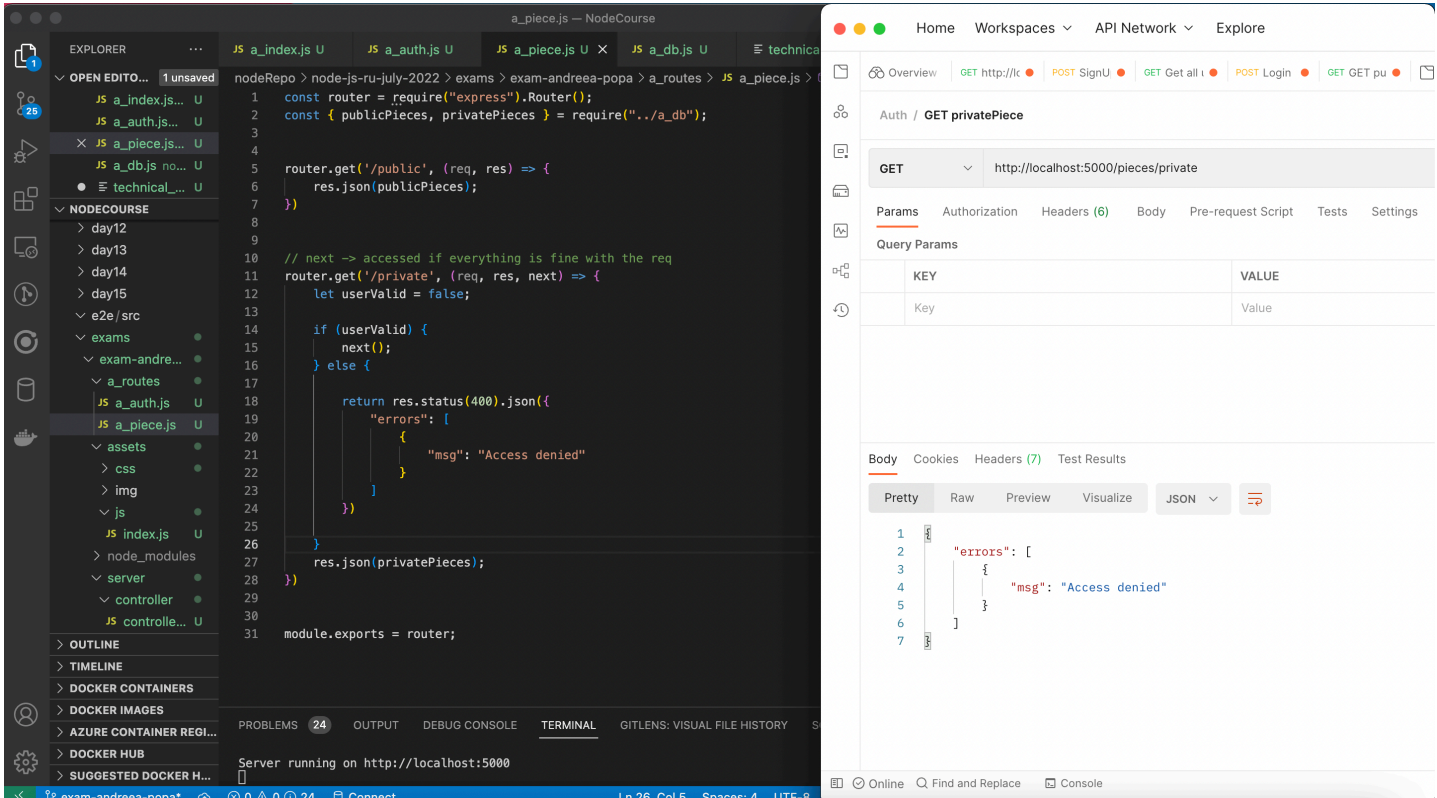




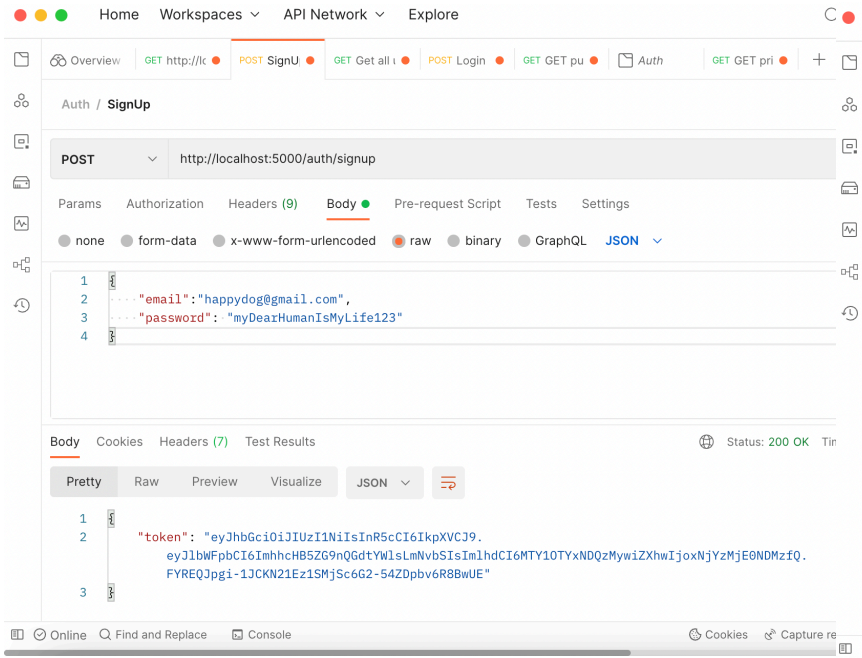


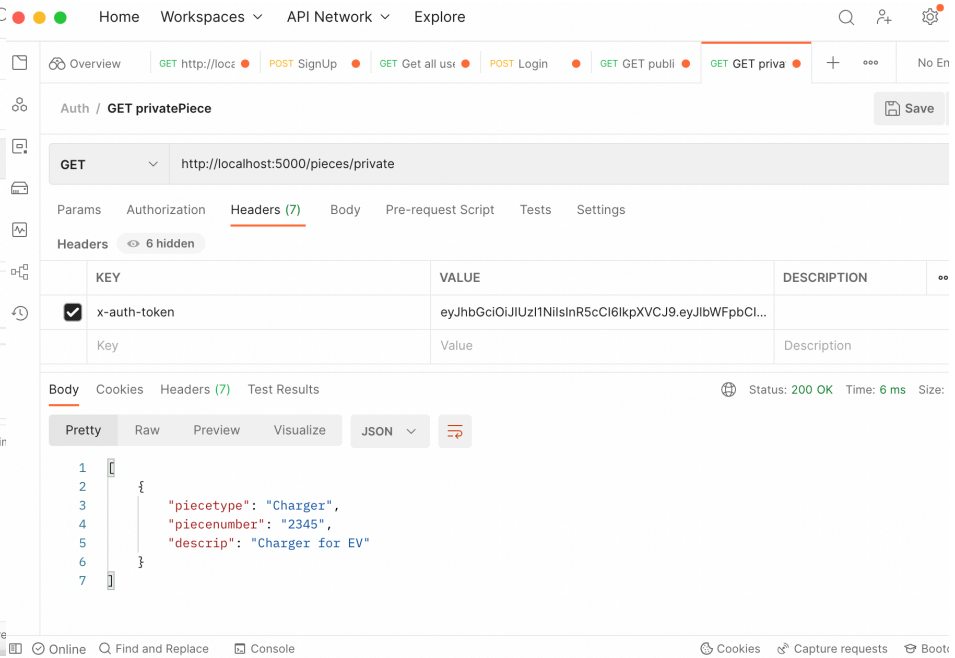
Authorization

- Token could not be accessed

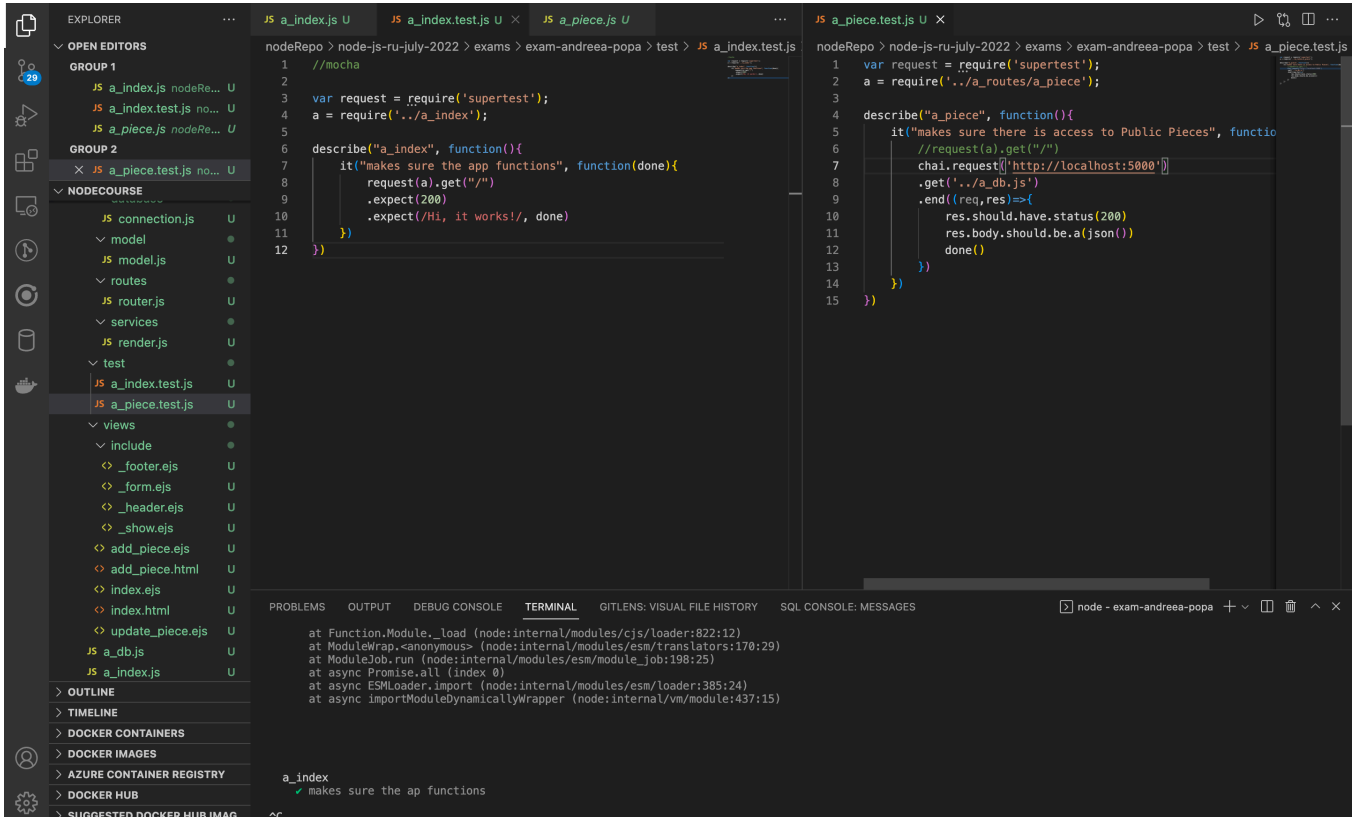


Check middleware checkAuth

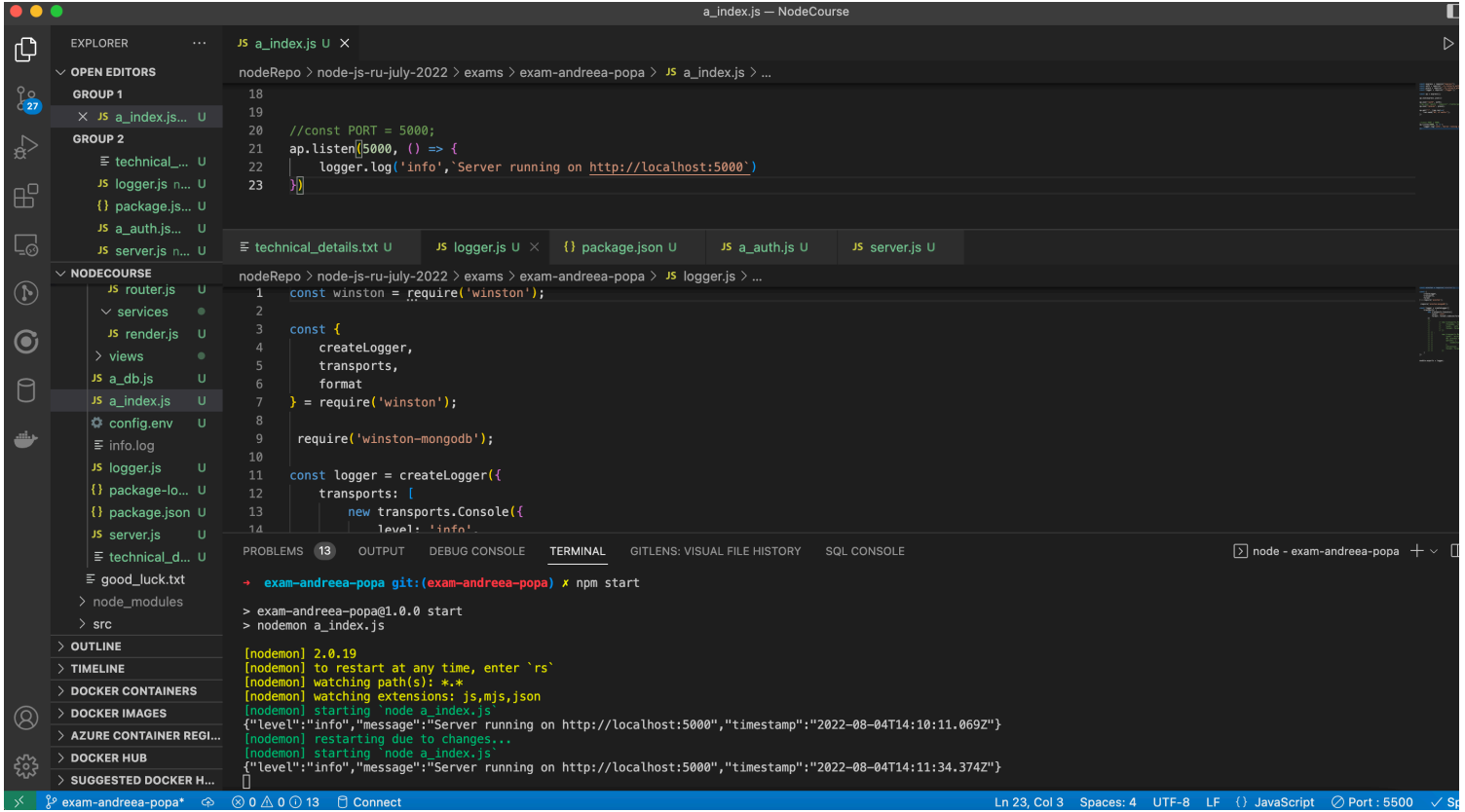


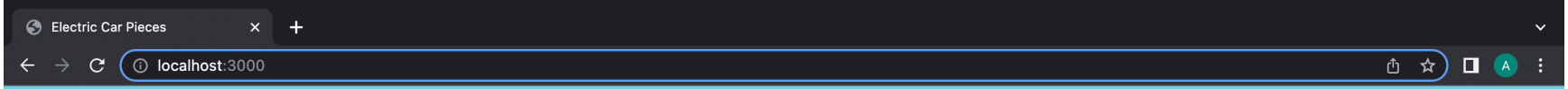


Supertest


EXPLORER
OPEN EDITORS
GROUP 1
a_index.js nodeRe... U
a_index.test.js no... U
a_piece.js nodeRe... U
GROUP 2
a_piece.test.js no... U
NODECOURSE
connection.js U
model
model.js U
routes
router.js U
services
render.js U
test
a_index.test.js U
a_piece.test.js U
views
include
_footer.ejs U
_form.ejs U
_header.ejs U
_show.ejs U
add_piece.ejs U
add_piece.html U
index.ejs U
index.html U
update_piece.ejs U
a_db.js U
a_index.js U
OUTLINE
TIMELINE
DOCKER CONTAINERS
DOCKER IMAGES
AZURE CONTAINER REGISTRY
DOCKER HUB
a_index.js U
a_index.test.js U
a_piece.js U
nodeRepo > node-js-ru-july-2022 > exams > exam-andreea-popa > test > a_index.test.js
//mocha
var request = require('supertest');
a = require('../a_index');
describe("a_index", function(){
it("makes sure the app functions", function(done){
request(a).get("/")
.expect(200)
.expect(/Hi, it works!/, done)
})
})
a_piece.test.js U
nodeRepo > node-js-ru-july-2022 > exams > exam-andreea-popa > test > a_piece.test.js
var request = require('supertest');
a = require('../a_routes/a_piece');
describe("a_piece", function(){
it("makes sure there is access to Public Pieces", functio
//request(a).get("/")
chai.request('http://localhost:5000')
.get('../a_db.js')
.end((req,res)=>{
res.should.have.status(200)
res.body.should.be.a(json())
done()
})
})
})
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
GITLENS: VISUAL FILE HISTORY
SQL CONSOLE: MESSAGES
node - exam-andreea-popa
at Function.Module._load (node:internal/modules/cjs/loader:822:12)
at ModuleWrap.<anonymous> (node:internal/modules/esm/translators:170:29)
at ModuleJob.run (node:internal/modules/esm/module_job:198:25)
at async Promise.all (index 0)
at async ESMLoader.import (node:internal/modules/esm/loader:385:24)
at async importModuleDynamicallyWrapper (node:internal/vm/module:437:15)
a_index
✔ makes sure the ap functions

Logger

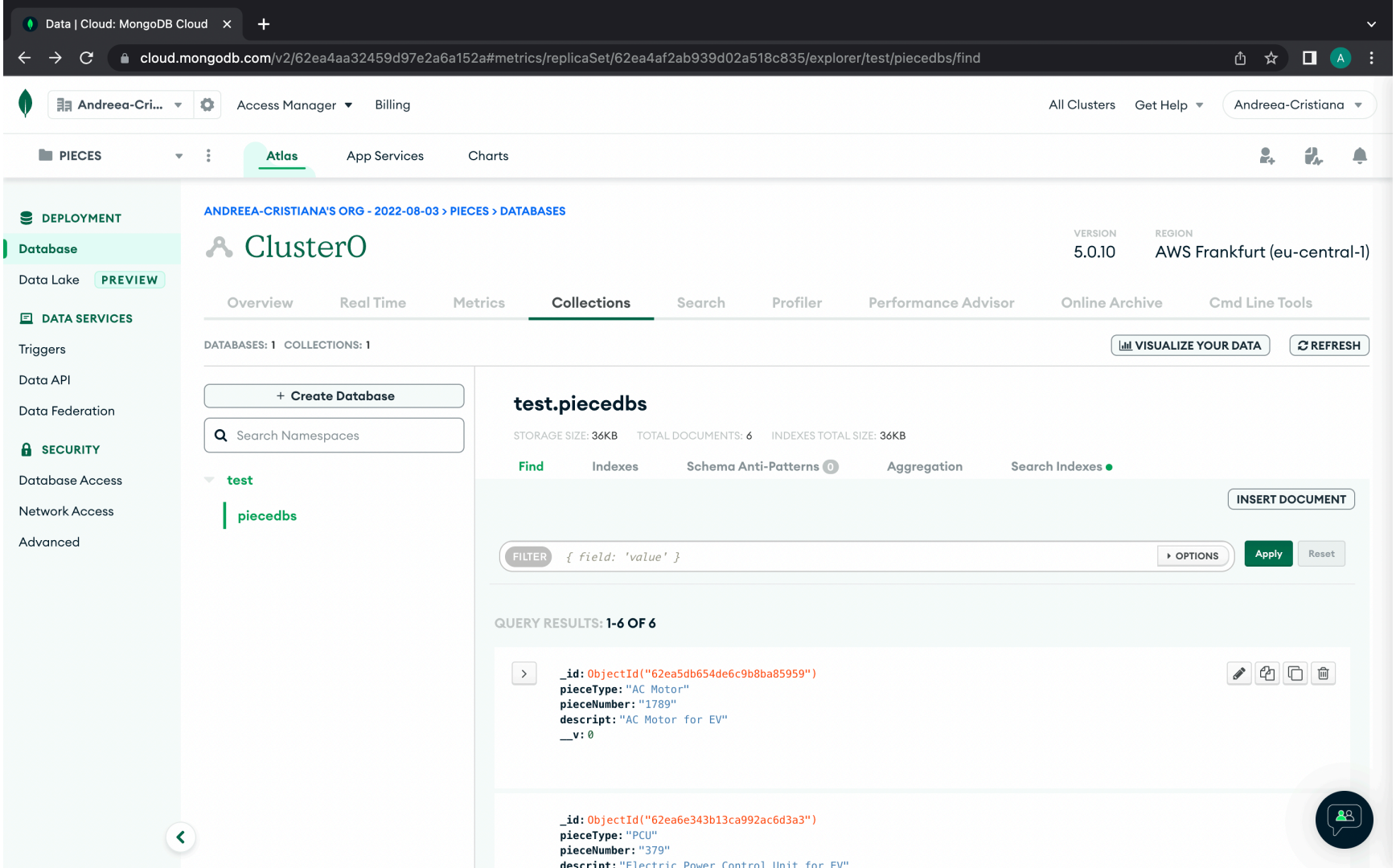

a_index.js — NodeCourse
EXPLORER
OPEN EDITORS
GROUP 1
a_index.js... U
GROUP 2
technical_... U
logger.js n... U
package.js... U
a_auth.js... U
server.js n... U
NODECOURSE
router.js U
services
render.js U
views
a_db.js U
a_index.js U
config.env U
info.log
logger.js U
package-lo... U
package.json U
server.js U
technical_d... U
good_luck.txt
node_modules
src
OUTLINE
TIMELINE
DOCKER CONTAINERS
DOCKER IMAGES
AZURE CONTAINER REGI...
DOCKER HUB
SUGGESTED DOCKER H...
a_index.js U
nodeRepo > node-js-ru-july-2022 > exams > exam-andreea-popa > a_index.js > ...
18
19
20 //const PORT = 5000;
21 ap.listen(5000, () => {
22 logger.log('info',`Server running on http://localhost:5000`)
23 })
technical_details.txt U
logger.js U
package.json U
a_auth.js U
server.js U
nodeRepo > node-js-ru-july-2022 > exams > exam-andreea-popa > logger.js > ...
1 const winston = require('winston');
2
3 const {
4 createLogger,
5 transports,
6 format
7 } = require('winston');
8
9 require('winston-mongodb');
10
11 const logger = createLogger({
12 transports: [
13 new transports.Console({
PROBLEMS 13
OUTPUT
DEBUG CONSOLE
TERMINAL
GITLENS: VISUAL FILE HISTORY
SQL CONSOLE
node - exam-andreea-popa
exam-andreea-popa git:(exam-andreea-popa) ✗ npm start
> exam-andreea-popa@1.0.0 start
> nodemon a_index.js
[nodemon] 2.0.19
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node a_index.js`
{"level":"info","message":"Server running on http://localhost:5000","timestamp":"2022-08-04T14:10:11.069Z"}
[nodemon] restarting due to changes...
[nodemon] starting `node a_index.js`
{"level":"info","message":"Server running on http://localhost:5000","timestamp":"2022-08-04T14:11:34.374Z"}
exam-andreea-popa*
0 0 13
Connect
Ln 23, Col 3
Spaces: 4
UTF-8
LF
JavaScript
Port : 5500



Car Management System

New Piece

ID	PieceType	Number of Pieces	Description	Action
1	AC Motor	1789	AC Motor for EV	
2	PCU	379	Electric Power Control Unit for EV	
3	Battery	3456	Super-Battery for EV	
4	DC Motor	847	DC Motor for EV	
5	Reducer	724	Reducer for EV	
6	Charger	6284	Charger for EV	


Data | Cloud: MongoDB Cloud
cloud.mongodb.com/v2/62ea4aa32459d97e2a6a152a#metrics/replicaSet/62ea4af2ab939d02a518c835/explorer/test/piecedbs/find
Andreea-Cri...
Access Manager
Billing
All Clusters
Get Help
Andreea-Cristiana
PIECES
Atlas
App Services
Charts
DEPLOYMENT
Database
Data Lake
PREVIEW
DATA SERVICES
Triggers
Data API
Data Federation
SECURITY
Database Access
Network Access
Advanced
ANDREEA-CRISTIANA'S ORG - 2022-08-03 > PIECES > DATABASES
Cluster0
VERSION
5.0.10
REGION
AWS Frankfurt (eu-central-1)
Overview
Real Time
Metrics
Collections
Search
Profiler
Performance Advisor
Online Archive
Cmd Line Tools
DATABASES: 1 COLLECTIONS: 1
VISUALIZE YOUR DATA
REFRESH
+ Create Database
Search Namespaces
test
piecedbs
test.piecedbs
STORAGE SIZE: 36KB
TOTAL DOCUMENTS: 6
INDEXES TOTAL SIZE: 36KB
Find
Indexes
Schema Anti-Patterns 0
Aggregation
Search Indexes
INSERT DOCUMENT
FILTER
{ field: 'value' }
OPTIONS
Apply
Reset
QUERY RESULTS: 1-6 OF 6
_id: ObjectId("62ea5db654de6c9b8ba85959")
pieceType: "AC Motor"
pieceNumber: "1789"
descript: "AC Motor for EV"
__v: 0
_id: ObjectId("62ea6e343b13ca992ac6d3a3")
pieceType: "PCU"
pieceNumber: "379"

Home Workspaces API Network Explore Search Postman Invite Upgrade

Overview GET Show Pieces PUT Update Piece DEL Delete Piece POST New Request No Environment

Pieces / **Show Pieces** Save

GET http://localhost:3000/api/pieces Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit

Body Cookies Headers (7) Test Results Status: 200 OK Time: 63 ms Size: 945 B Save Response

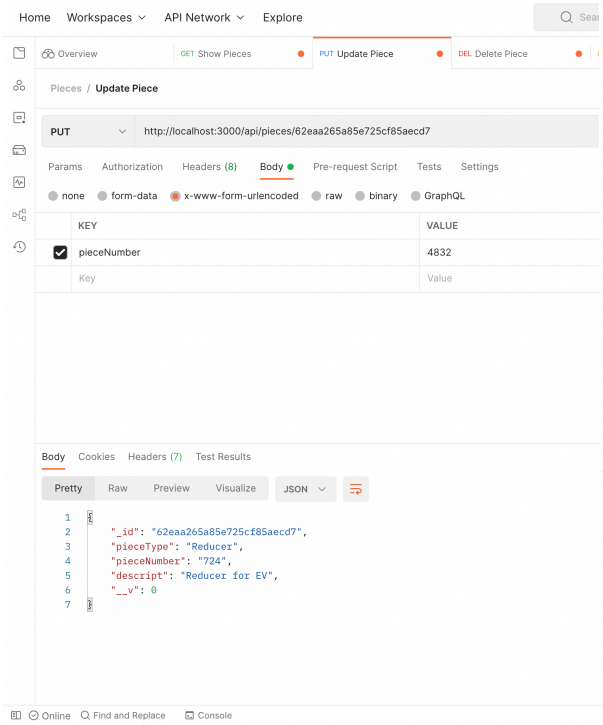
Pretty Raw Preview Visualize JSON

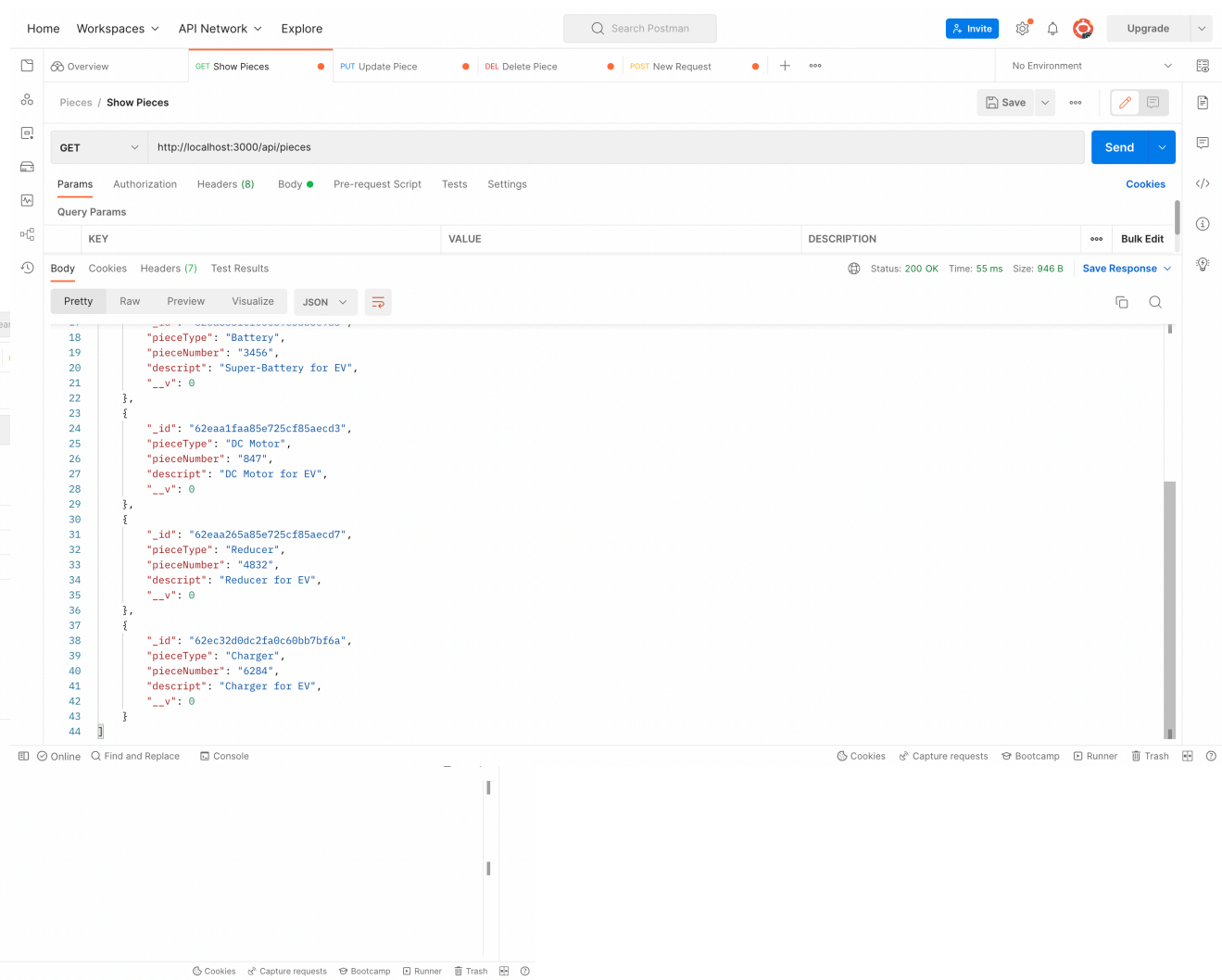

```
        "descript": "Electric Power Control Unit for EV",
        "__v": 0
    },
    {
        "_id": "62ea833fcfc0eb9e3bb0e9d3",
        "pieceType": "Battery",
        "pieceNumber": "3456",
        "descript": "Super-Battery for EV",
        "__v": 0
    },
    {
        "_id": "62eaa1faa85e725cf85aecd3",
        "pieceType": "DC Motor",
        "pieceNumber": "847",
        "descript": "DC Motor for EV",
        "__v": 0
    },
    {
        "_id": "62eaa265a85e725cf85aecd7",
        "pieceType": "Reducer",
        "pieceNumber": "724",
        "descript": "Reducer for EV",
        "__v": 0
    },
    {
        "_id": "62ec32d0dc2fa0c60bb7bf6a",
        "pieceType": "Charger",
```


Get

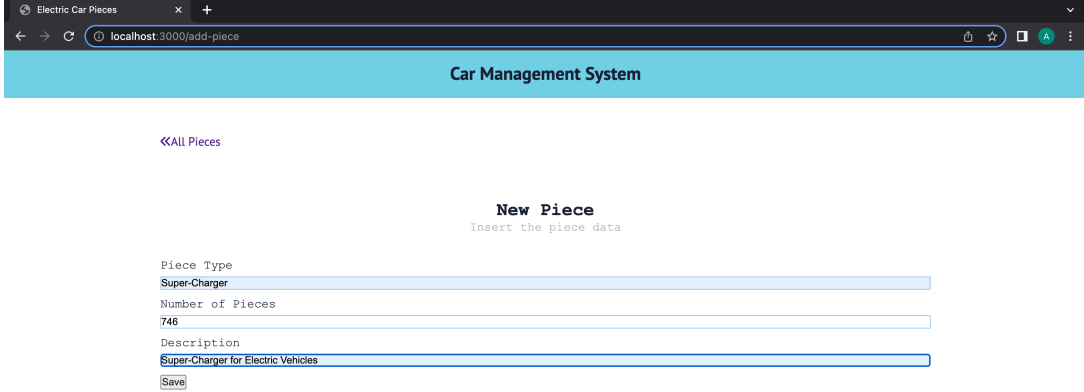
Online Find and Replace Console Cookies Capture requests Bootcamp Runner Trash

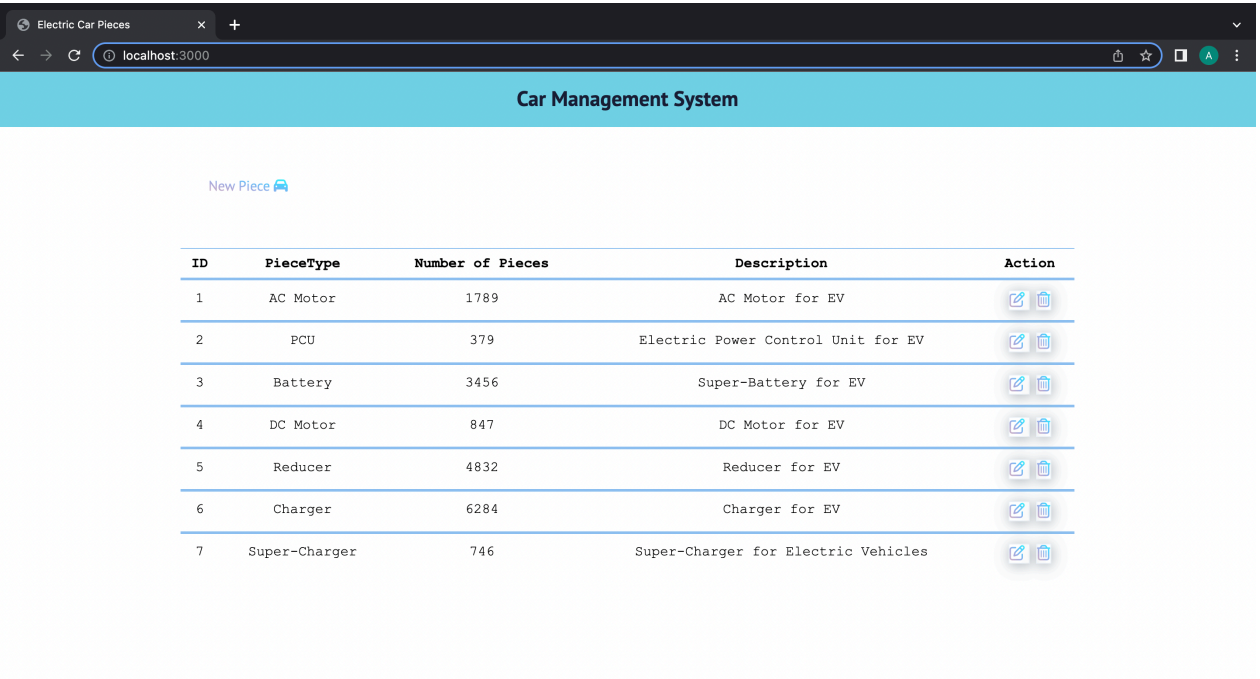
Update


Home
Workspaces
API Network
Explore
Overview
GET Show Pieces
PUT Update Piece
DEL Delete Piece
Pieces / Update Piece
PUT
http://localhost:3000/api/pieces/62eaa265a85e725cf85aecd7
Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
KEY
VALUE
pieceNumber
4832
Key
Value
Body
Cookies
Headers (7)
Test Results
Pretty
Raw
Preview
Visualize
JSON
{
"_id": "62eaa265a85e725cf85aecd7",
"pieceType": "Reducer",
"pieceNumber": "724",
"descript": "Reducer for EV",
"__v": 0
}
Online
Find and Replace
Console
Cookies
Capture requests
Bootcamp
Runner
Trash


Home
Workspaces
API Network
Explore
Search Postman
Invite
Upgrade
Overview
GET Show Pieces
PUT Update Piece
DEL Delete Piece
POST New Request
No Environment
Pieces / Show Pieces
Save
GET
http://localhost:3000/api/pieces
Send
Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings
Cookies
Query Params
KEY
VALUE
DESCRIPTION
Bulk Edit
Body
Cookies
Headers (7)
Test Results
Status: 200 OK
Time: 55 ms
Size: 946 B
Save Response
Pretty
Raw
Preview
Visualize
JSON
"pieceType": "Battery",
"pieceNumber": "3456",
"descript": "Super-Battery for EV",
"__v": 0
},
{
"_id": "62eaa1faa85e725cf85aecd3",
"pieceType": "DC Motor",
"pieceNumber": "847",
"descript": "DC Motor for EV",
"__v": 0
},
{
"_id": "62eaa265a85e725cf85aecd7",
"pieceType": "Reducer",
"pieceNumber": "4832",
"descript": "Reducer for EV",
"__v": 0
},
{
"_id": "62ec32d0dc2fa0c60bb7bf6a",
"pieceType": "Charger",
"pieceNumber": "6284",
"descript": "Charger for EV",
"__v": 0
}
]
Online
Find and Replace
Console
Cookies
Capture requests
Bootcamp
Runner
Trash

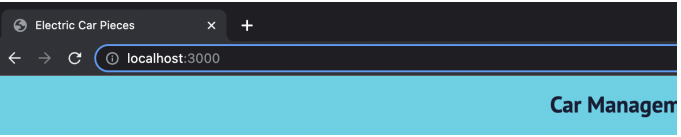
Insert

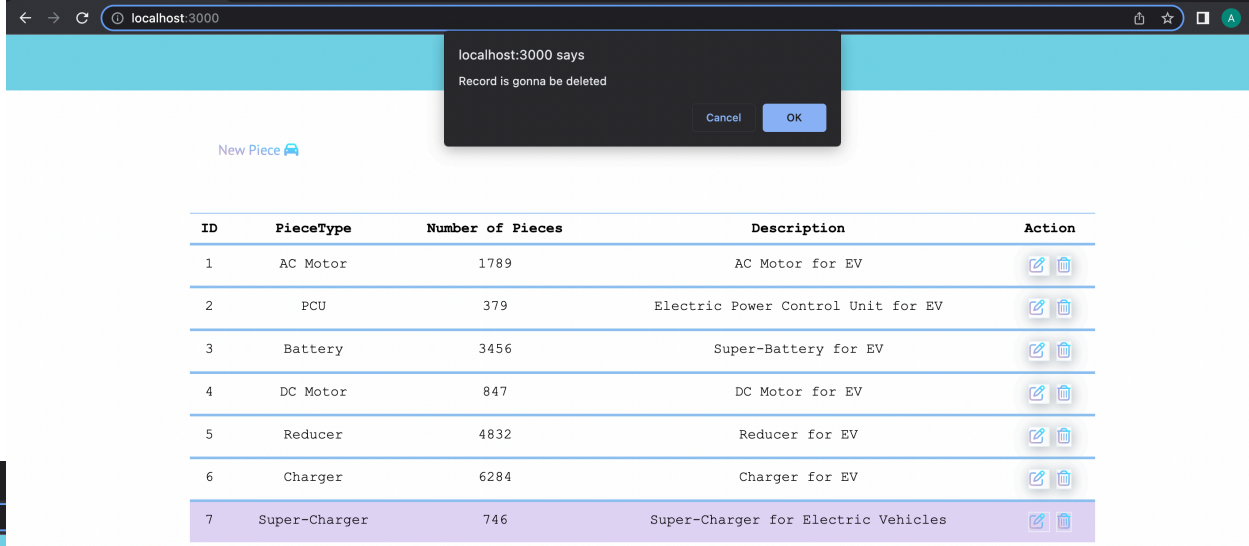




ID	PieceType	Number of Pieces	Description	Action
1	AC Motor	1789	AC Motor for EV	
2	PCU	379	Electric Power Control Unit for EV	
3	Battery	3456	Super-Battery for EV	
4	DC Motor	847	DC Motor for EV	
5	Reducer	4832	Reducer for EV	
6	Charger	6284	Charger for EV	
7	Super-Charger	746	Super-Charger for Electric Vehicles	

Delete

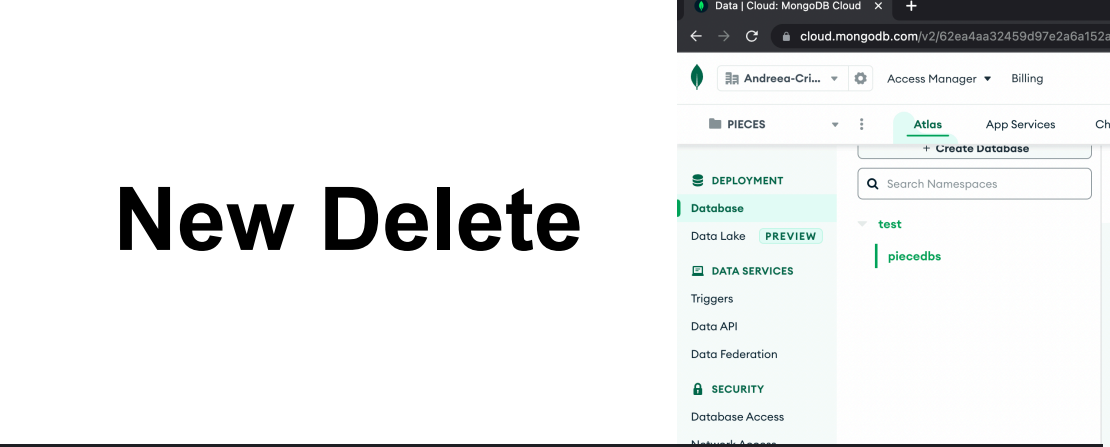


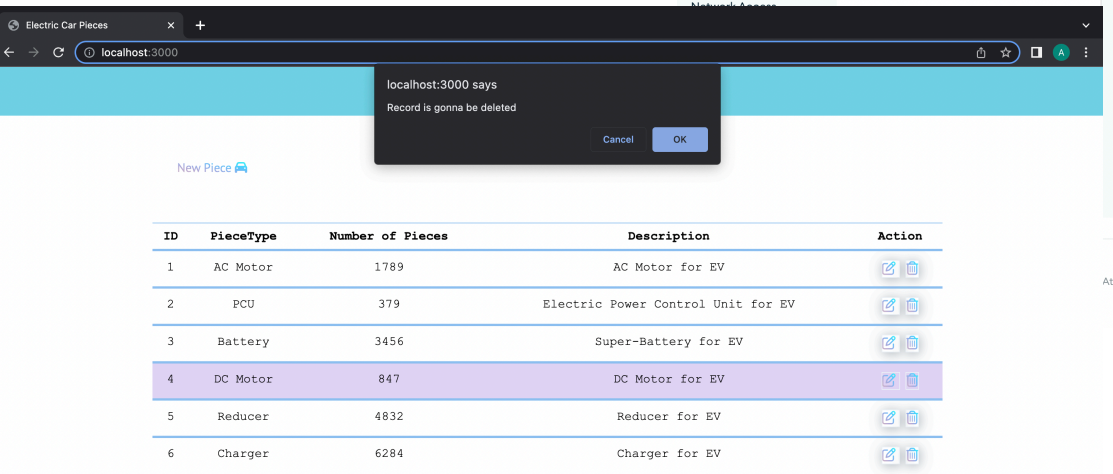


New Piece

ID	PieceType	Number of Pieces	
1	AC Motor	1789	AC Motor for EV
2	PCU	379	Electric Power Control Unit for EV
3	Battery	3456	Super-Battery for EV
4	DC Motor	847	DC Motor for EV
5	Reducer	4832	Reducer for EV
6	Charger	6284	Charger for EV

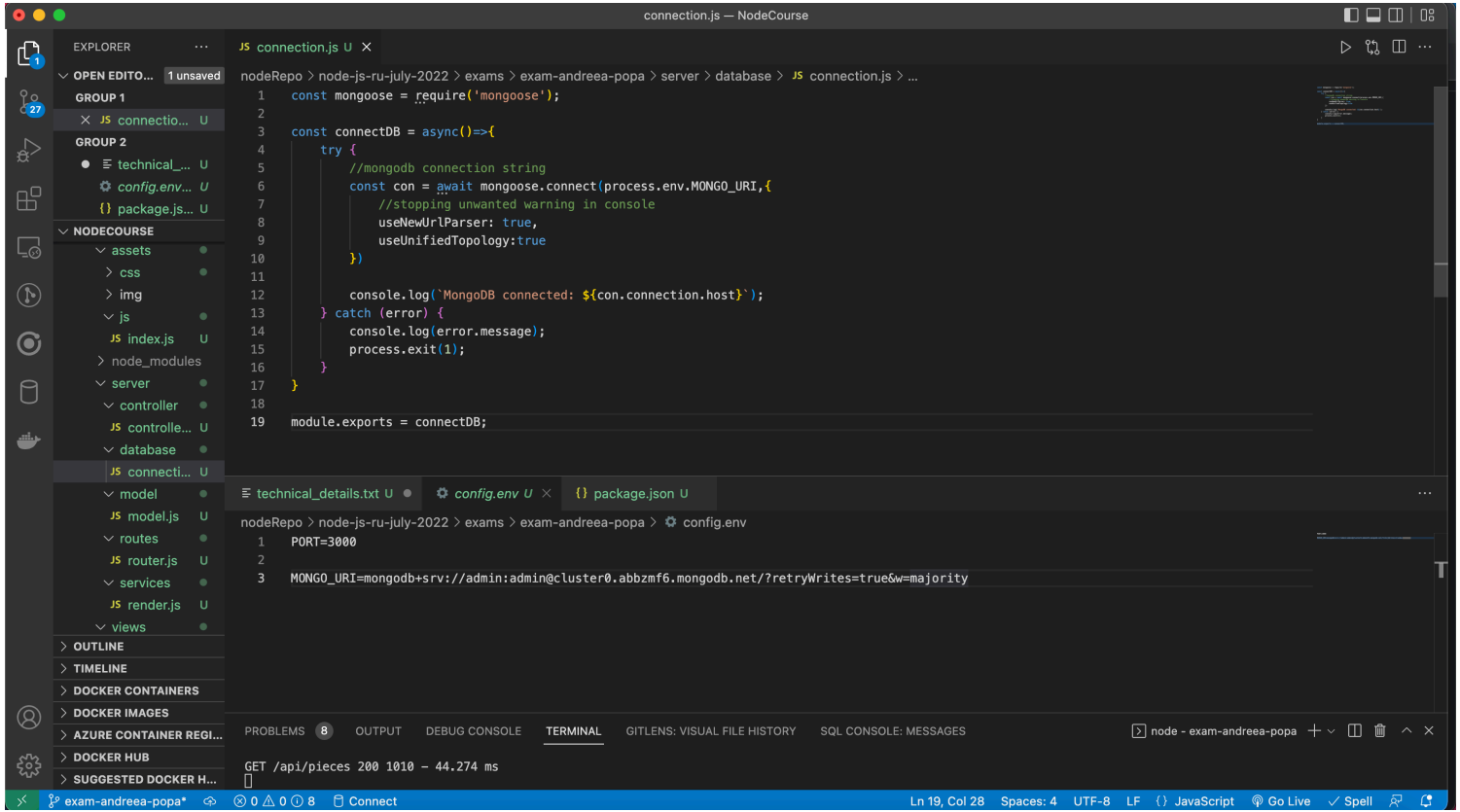
New Delete



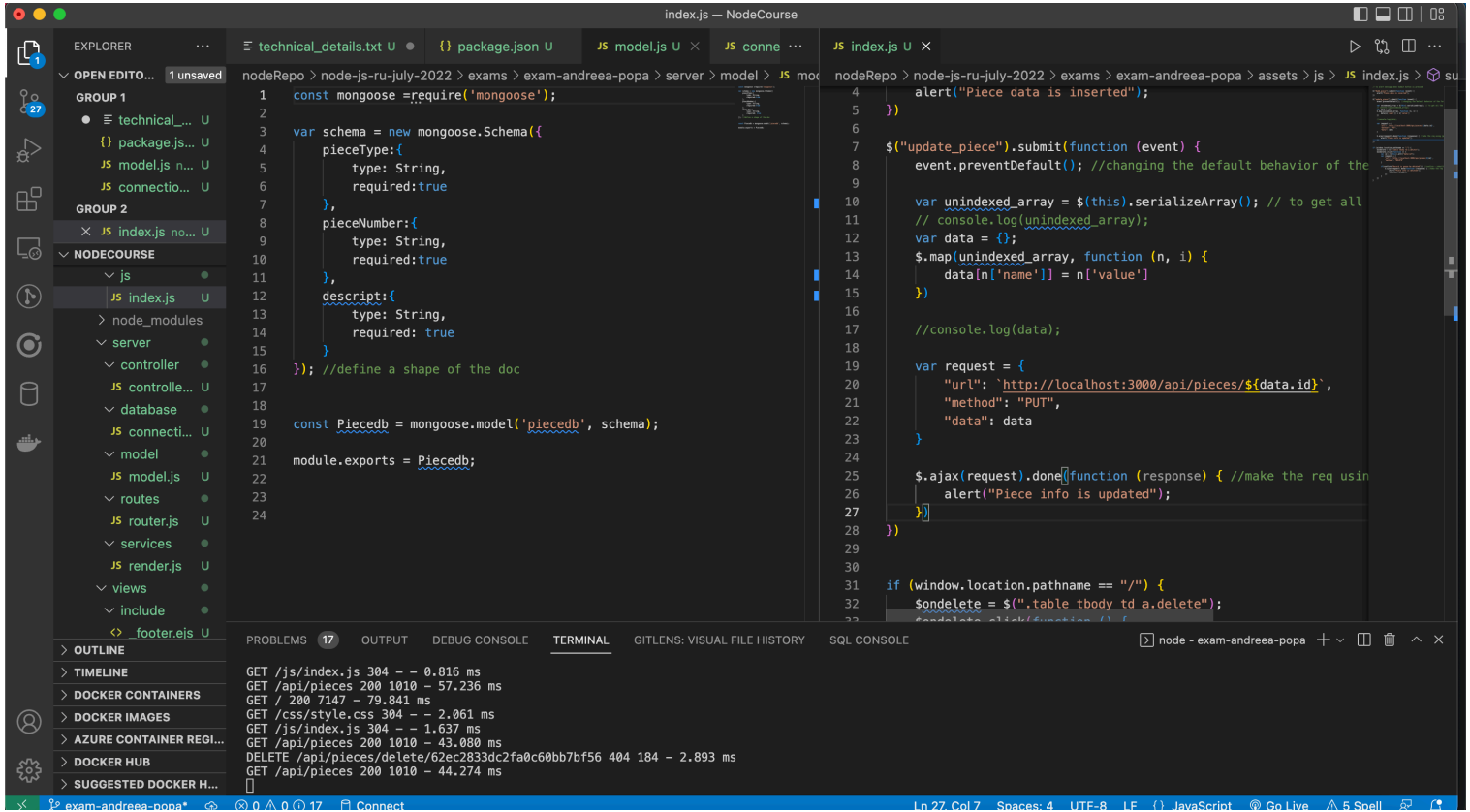


ID	PieceType	Number of Pieces	Description	Action
1	AC Motor	1789	AC Motor for EV	
2	PCU	379	Electric Power Control Unit for EV	
3	Battery	3456	Super-Battery for EV	
4	DC Motor	847	DC Motor for EV	
5	Reducer	4832	Reducer for EV	
6	Charger	6284	Charger for EV	

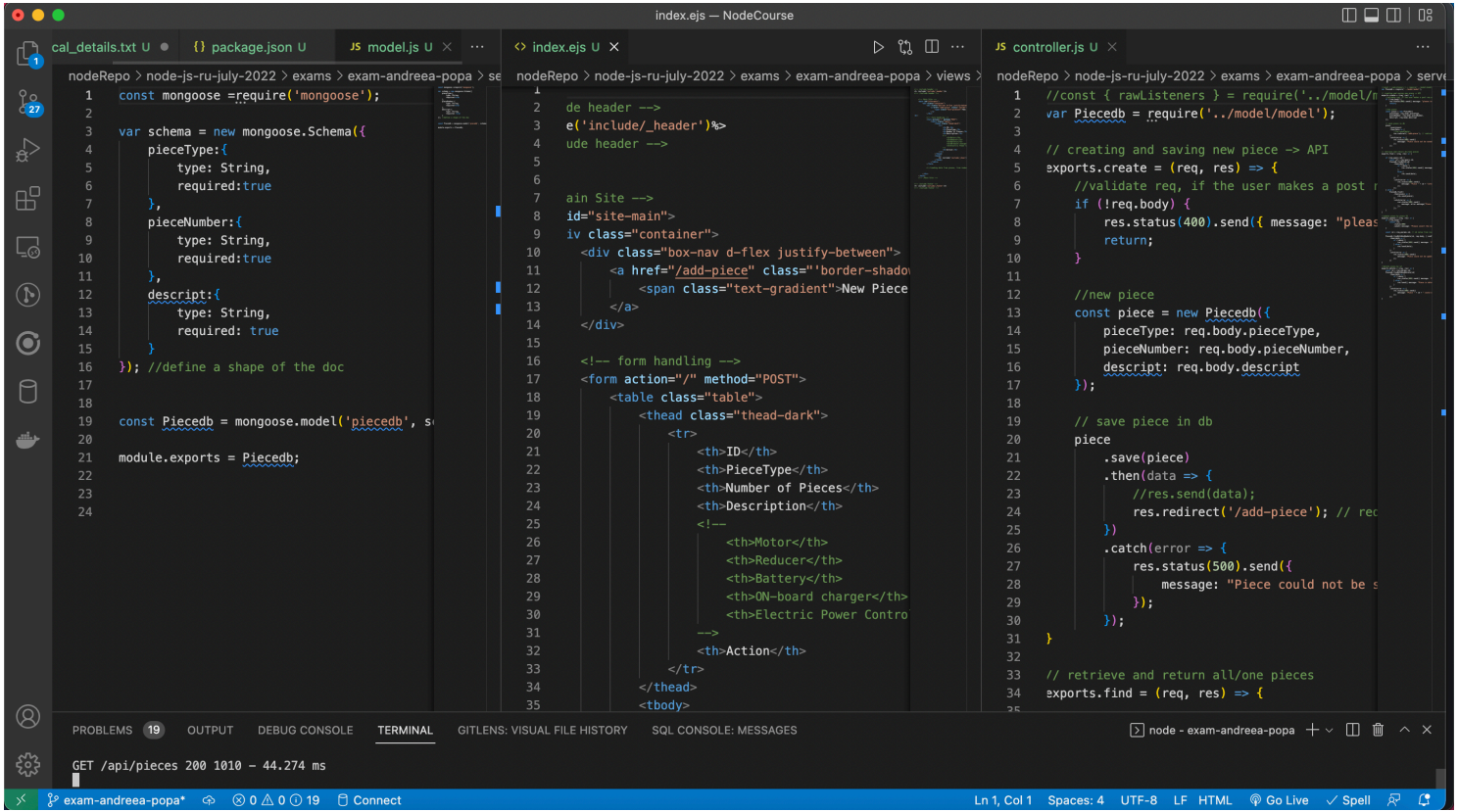
Configurable Environment



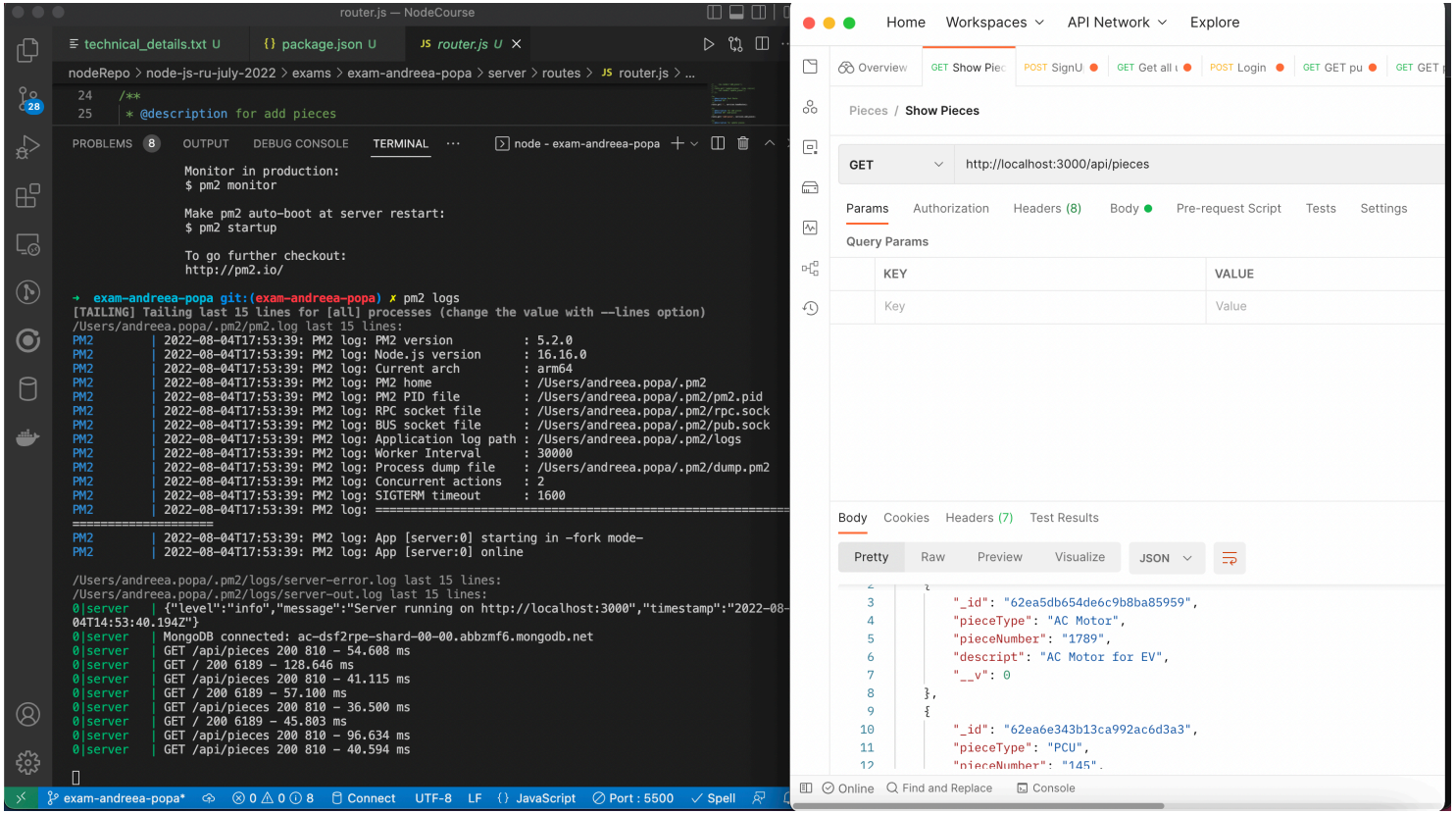
ODM-typed Model



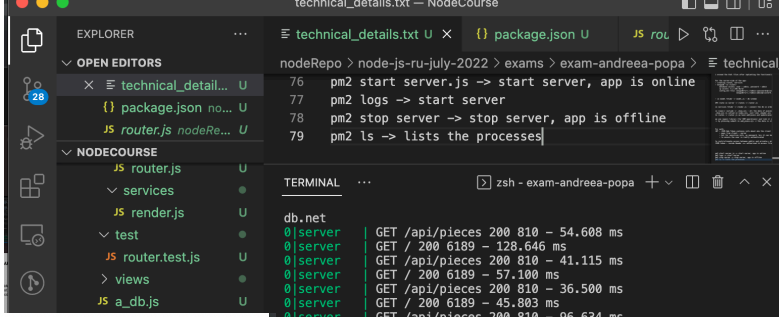
Model-View-Controller

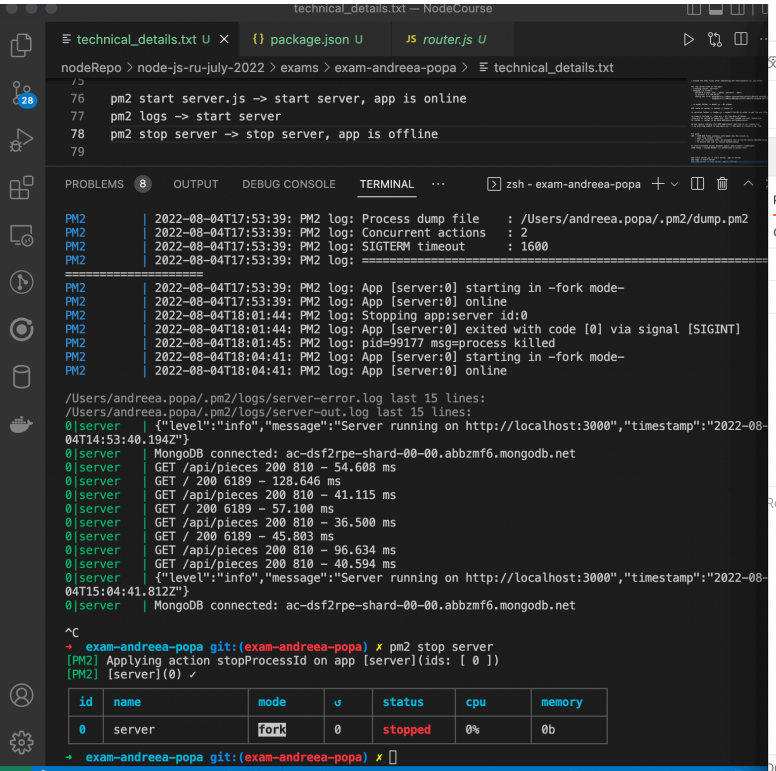


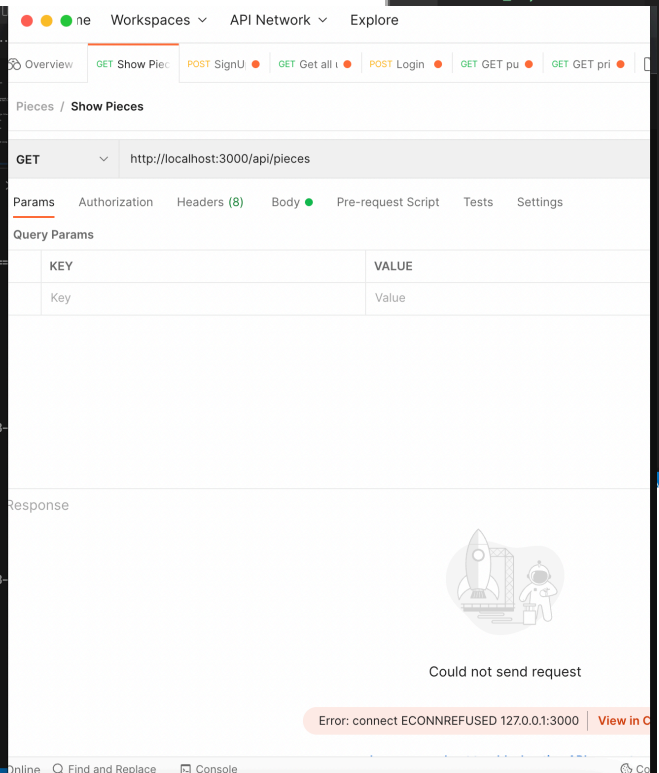
Monitoring tool - pm2

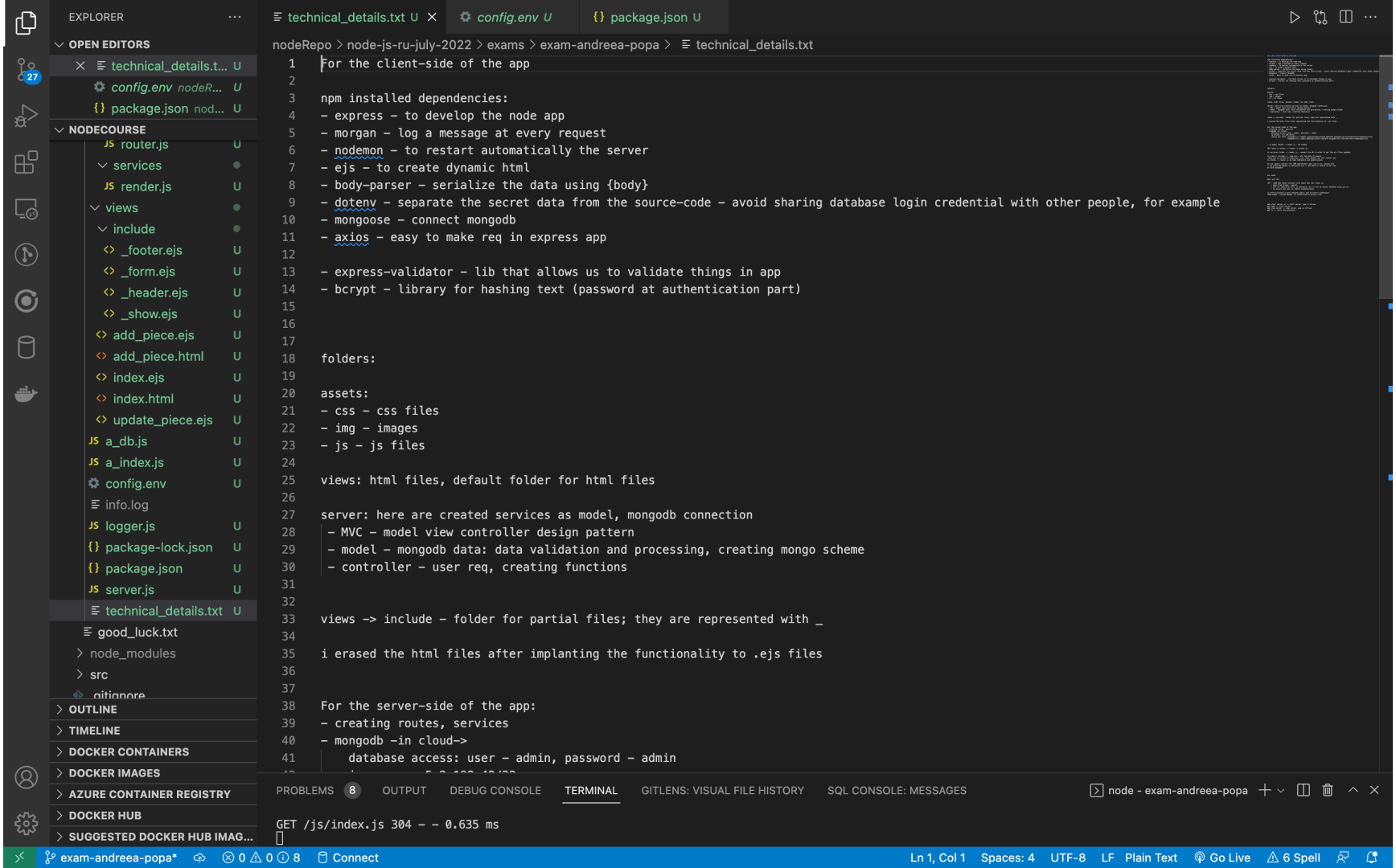


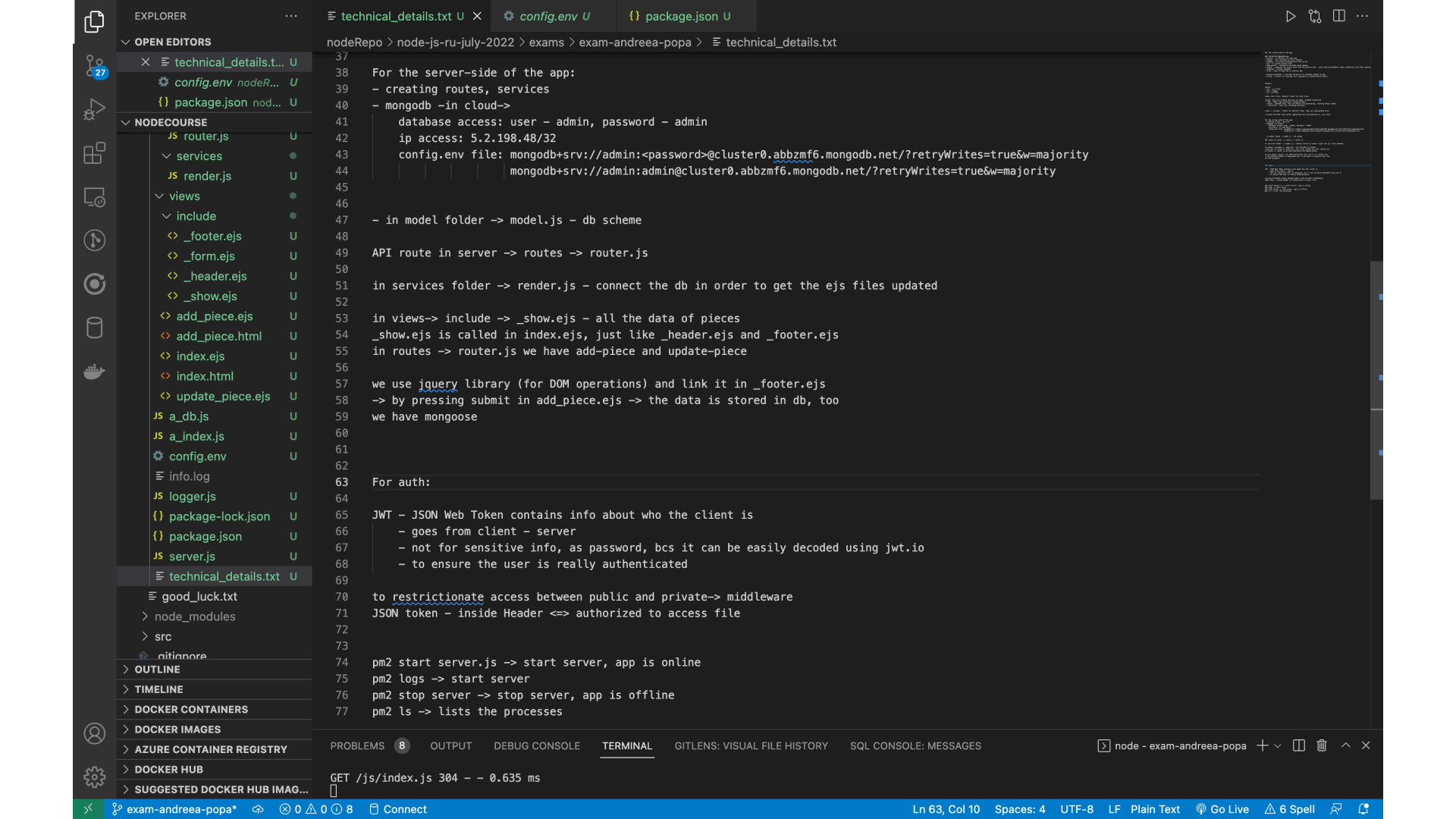
Development - pm2








EXPLORER
technical_details.txt U
config.env U
package.json U
nodeRepo > node-js-ru-july-2022 > exams > exam-andreea-popa > technical_details.txt
For the client-side of the app
npm installed dependencies:
- express - to develop the node app
- morgan - log a message at every request
- nodemon - to restart automatically the server
- ejs - to create dynamic html
- body-parser - serialize the data using {body}
- dotenv - separate the secret data from the source-code - avoid sharing database login credential with other people, for example
- mongoose - connect mongodb
- axios - easy to make req in express app
- express-validator - lib that allows us to validate things in app
- bcrypt - library for hashing text (password at authentication part)
folders:
assets:
- css - css files
- img - images
- js - js files
views: html files, default folder for html files
server: here are created services as model, mongodb connection
- MVC - model view controller design pattern
- model - mongodb data: data validation and processing, creating mongo scheme
- controller - user req, creating functions
views -> include - folder for partial files; they are represented with _
i erased the html files after implanting the functionality to .ejs files
For the server-side of the app:
- creating routes, services
- mongodb -in cloud->
database access: user - admin, password - admin
OPEN EDITORS
NODECOURSE
router.js
services
render.js
views
include
_footer.ejs
_form.ejs
_header.ejs
_show.ejs
add_piece.ejs
add_piece.html
index.ejs
index.html
update_piece.ejs
a_db.js
a_index.js
config.env
info.log
logger.js
package-lock.json
package.json
server.js
technical_details.txt
good_luck.txt
node_modules
src
.gitignore
OUTLINE
TIMELINE
DOCKER CONTAINERS
DOCKER IMAGES
AZURE CONTAINER REGISTRY
DOCKER HUB
SUGGESTED DOCKER HUB IMAG...
PROBLEMS 8
OUTPUT
DEBUG CONSOLE
TERMINAL
GITLENS: VISUAL FILE HISTORY
SQL CONSOLE: MESSAGES
node - exam-andreea-popa
GET /js/index.js 304 - - 0.635 ms
exam-andreea-popa*
Connect
Ln 1, Col 1
Spaces: 4
UTF-8
LF
Plain Text
Go Live
6 Spell


EXPLORER
technical_details.txt U
config.env U
package.json U
nodeRepo > node-js-ru-july-2022 > exams > exam-andreea-popa > technical_details.txt
OPEN EDITORS
NODECOURSE
router.js
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_show.ejs
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add_piece.html
index.ejs
index.html
update_piece.ejs
a_db.js
a_index.js
config.env
info.log
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OUTLINE
TIMELINE
DOCKER CONTAINERS
DOCKER IMAGES
AZURE CONTAINER REGISTRY
DOCKER HUB
SUGGESTED DOCKER HUB IMAG...
For the server-side of the app:
- creating routes, services
- mongodb -in cloud->
database access: user - admin, password - admin
ip access: 5.2.198.48/32
config.env file: mongodb+srv://admin:<password>@cluster0.abbzmf6.mongodb.net/?retryWrites=true&w=majority
mongodb+srv://admin:admin@cluster0.abbzmf6.mongodb.net/?retryWrites=true&w=majority
- in model folder -> model.js - db scheme
API route in server -> routes -> router.js
in services folder -> render.js - connect the db in order to get the ejs files updated
in views-> include -> _show.ejs - all the data of pieces
_show.ejs is called in index.ejs, just like _header.ejs and _footer.ejs
in routes -> router.js we have add-piece and update-piece
we use jquery library (for DOM operations) and link it in _footer.ejs
-> by pressing submit in add_piece.ejs -> the data is stored in db, too
we have mongoose
For auth:
JWT - JSON Web Token contains info about who the client is
- goes from client - server
- not for sensitive info, as password, bcs it can be easily decoded using jwt.io
- to ensure the user is really authenticated
to restrictionate access between public and private-> middleware
JSON token - inside Header <=> authorized to access file
pm2 start server.js -> start server, app is online
pm2 logs -> start server
pm2 stop server -> stop server, app is offline
pm2 ls -> lists the processes
PROBLEMS 8
OUTPUT
DEBUG CONSOLE
TERMINAL
GITLENS: VISUAL FILE HISTORY
SQL CONSOLE: MESSAGES
node - exam-andreea-popa
GET /js/index.js 304 - - 0.635 ms
exam-andreea-popa*
Connect
Ln 63, Col 10
Spaces: 4
UTF-8
LF
Plain Text
Go Live
6 Spell