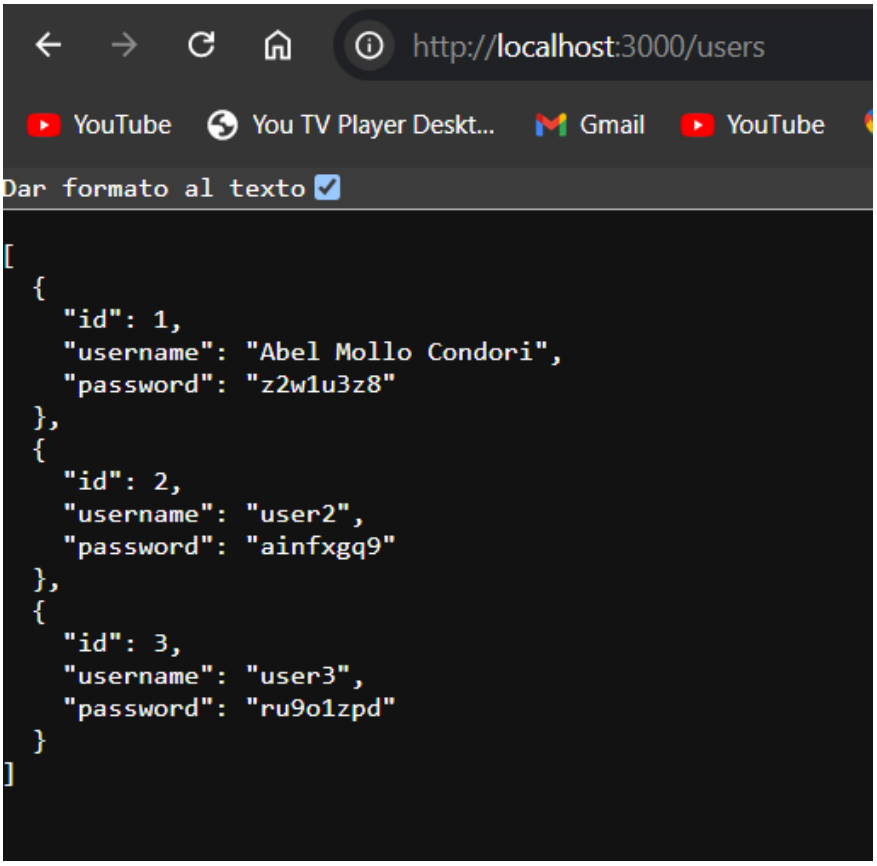
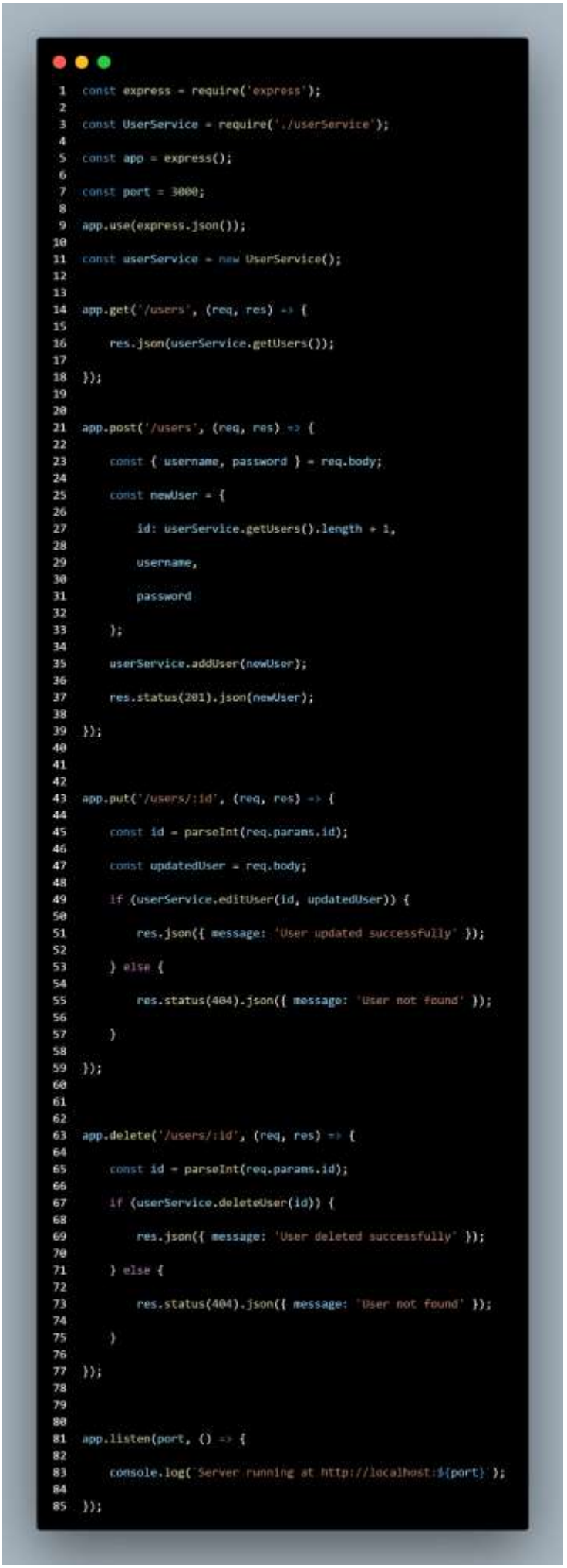
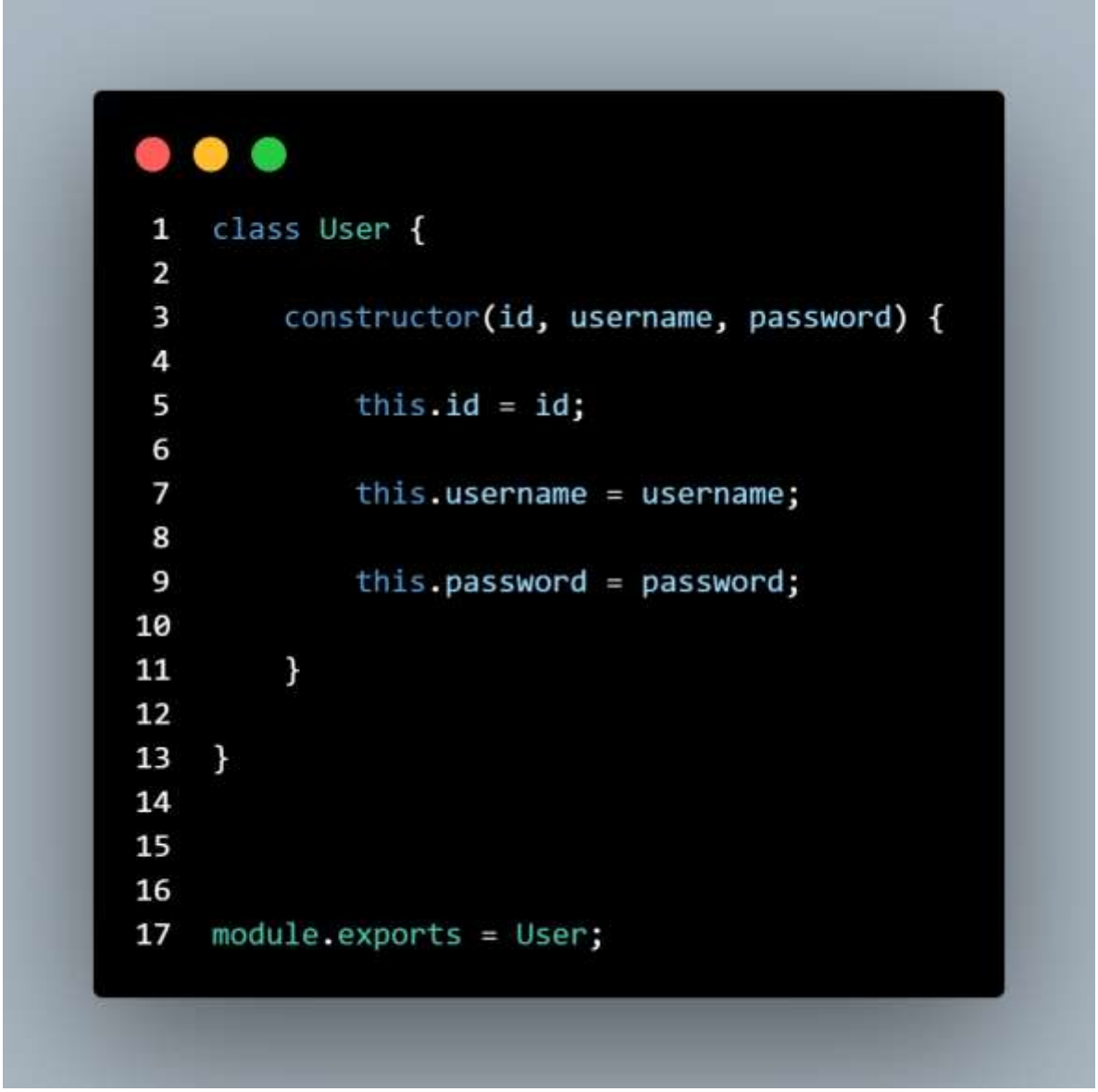
NOMBRE: Mollo Condori Abel

CARRERA: Ing. De Sistemas



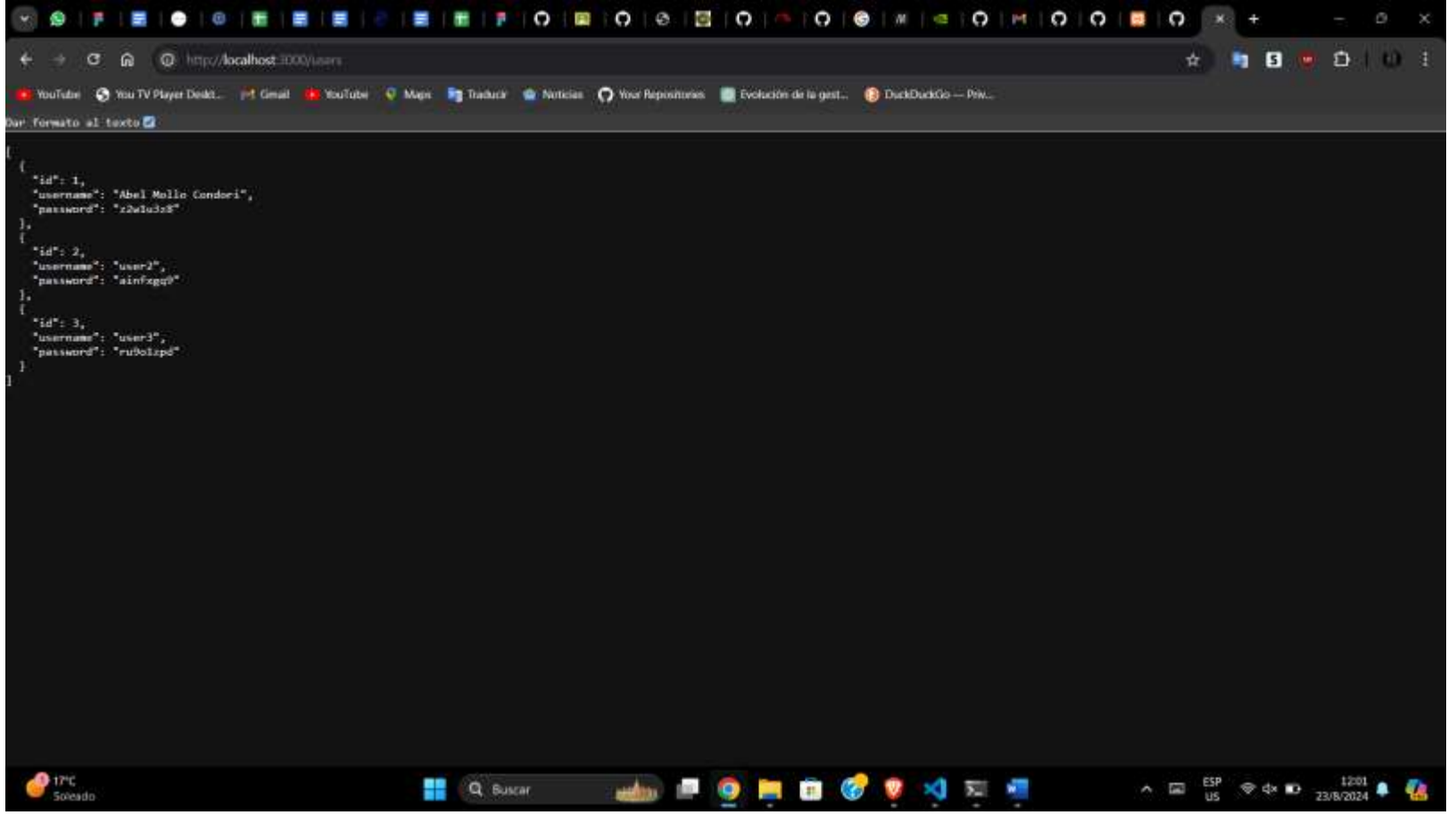


```
const express = require('express');

const UserService = require('./userService');

const app = express();

const port = 3000;

app.use(express.json());

const userService = new UserService();


app.get('/users', (req, res) => {

    res.json(userService.getUsers());

});


app.post('/users', (req, res) => {

    const { username, password } = req.body;

    const newUser = {

        id: userService.getUsers().length + 1,

        username,

        password

    };

    userService.addUser(newUser);

    res.status(201).json(newUser);

});


app.put('/users/:id', (req, res) => {

    const id = parseInt(req.params.id);

    const updatedUser = req.body;

    if (userService.editUser(id, updatedUser)) {

        res.json({ message: 'User updated successfully' });

    } else {

        res.status(404).json({ message: 'User not found' });

    }

});


app.delete('/users/:id', (req, res) => {

    const id = parseInt(req.params.id);

    if (userService.deleteUser(id)) {

        res.json({ message: 'User deleted successfully' });

    } else {

        res.status(404).json({ message: 'User not found' });

    }

});


app.listen(port, () => {

    console.log(`Server running at http://localhost:${port}`);

});
```



```
class User {

    constructor(id, username, password) {

        this.id = id;

        this.username = username;

        this.password = password;

    }

}


module.exports = User;
```

```
const User = require('./user');

class UserService {
    constructor() {
        this.userList = [];
        this.generateRandomUsers(3);
    }

    generateRandomUsers(count) {
        for (let i = 0; i < count; i++) {
            const id = i + 1;

            let username;
            let password = Math.random().toString(36).slice(-8);

            if (id === 1) {
                // El primer usuario será Abel Mollo Condori
                username = 'Abel Mollo Condori';
            } else {
                username = `user${id}`;
            }

            this.addUser(new User(id, username, password));
        }
    }

    getUsers() {
        return this.userList;
    }

    addUser(user) {
        this.userList.push(user);
    }

    editUser(id, updatedUser) {
        const index = this.userList.findIndex(user => user.id === id);
        if (index !== -1) {
            this.userList[index] = { ...this.userList[index], ...updatedUser };
            return true;
        }
        return false;
    }

    deleteUser(id) {
        const initialLength = this.userList.length;
        this.userList = this.userList.filter(user => user.id !== id);
        return this.userList.length !== initialLength;
    }
}

module.exports = UserService;

```


http://localhost:3000/users
YouTube
You TV Player Deskt...
Gmail
YouTube
Maps
Traducir
Noticias
Your Repositories
Evolución de la gest...
DuckDuckGo — Priv...
Dar formato al texto
[
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"id": 1,
"username": "Abel Mollo Condori",
"password": "z2w1u3z8"
},
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"password": "ainfxgq0"
},
{
"id": 3,
"username": "user3",
"password": "ru9olzpd"
}
]
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