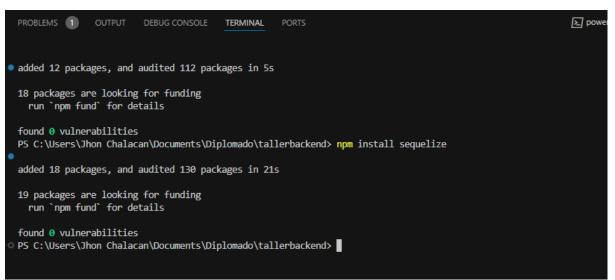
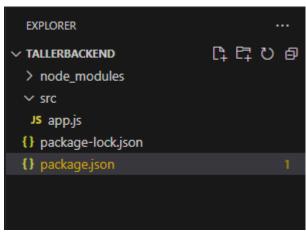


```
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

    PS C:\Users\Jhon Chalacan\Documents\Diplomado\tallerbackend> npm init -y
    Wrote to C:\Users\Jhon Chalacan\Documents\Diplomado\tallerbackend\package.json:

   "name": "tallerbackend",
    "version": "1.0.0",
"main": "index.js",
   main : index.js ,
  "test": "echo \"Error: no test specified\" && exit 1"
  "keywords": [],
  "license": "ISC",
  "description": ""
 PS C:\Users\Jhon Chalacan\Documents\Diplomado\tallerbackend> node \ src/app.js PS C:\Users\Jhon Chalacan\Documents\Diplomado\tallerbackend> node \ src/app.js
• PS C:\Users\Jhon Chalacan\Documents\Diplomado\tallerbackend> npm install nodemon
• added 29 packages, and audited 30 packages in 1m
 4 packages are looking for funding
 found 0 vulnerabilities
 • up to date, audited 30 packages in 3s
 4 packages are looking for funding
                                                                         Ln 15, Col 20 (9 selected) Spaces: 2 UTF-8 LF {} JSON @ Go Live 🛆 🚨
 PROBLEMS 1
                                                   TERMINAL
                                                                                                                                       2
 found 0 vulnerabilities
● PS C:\Users\Jhon Chalacan\Documents\Diplomado\tallerbackend> npm install express
 added 70 packages, and audited 100 packages in 11s
 17 packages are looking for funding
   run `npm fund` for details
 found 0 vulnerabilities
 PS C:\Users\Jhon Chalacan\Documents\Diplomado\tallerbackend>
    run `npm fund` for details
 found 0 vulnerabilities
 PS C:\Users\Jhon Chalacan\Documents\Diplomado\tallerbackend> npm install express
 added 70 packages, and audited 100 packages in 11s
 17 packages are looking for funding
   run `npm fund` for details
 found 0 vulnerabilities
```





```
JS adopcionController.js
                                {} package.json X
{} package.json > {} scripts
            "name": "tallerbackend",
           "version": "1.0.0",
"type": "module",
"main": "app.js",
            Debug
            "scripts": {
              "start": "nodemon ./src/app.js",
"test": "echo \"Error: no test specified\" && exit 1"
            "keywords": [],
           "author": "",
"license": "ISC",
            "description": "
            "devDependencies": {
               "nodemon": "^3.1.7"
           "dependencies": {
    "^4."
              "express": "^4.21.0",
"mysql2": "^3.11.3",
              "sequelize": "^6.37.3"
```

```
JS adopcionController.js X
src > controladores > JS adopcionController.js > .
   import { adopcion } from "../modelos/adopcionModelo.js";
       const crear = (req, res) => {
            if (!req.body.nombre) {
                return res.status(400).send({
    mensaje: "El nombre no puede estar vacío."
            nombre: req.body.nombre,
edad: req.body.edad,
raza: req.body.raza,
                sexo: req.body.sexo,
                color: req.body.color
            adopcion.create(dataset)
                .then((resultado) => {
                     res.status(201).send("Registro creado.");
                 .catch((err) => {
                    res.status(500).send('Registro no creado: ${err}');
        const buscar = (req, res) => {
            adopcion.findAll()
                 .then((mascotas) => {
                   res.status(200).json(mascotas);
                 .catch((err) => {
                    res.status(500).send('Error al buscar mascotas: ${err}');
       // Exportar las funciones
export { crear, buscar };
```

```
## style="font-size: 15%; color: blue;" | ## style="font-size: 15%;
```

```
JS adopcionModelo.js X
src > modelos > JS adopcionModelo.js > ...
   import Sequelize from "sequelize";
import { db } from "../database/conexion.js";
       const adopcion = db.define("adopcion", {
            type: Sequelize.INTEGER,
           allowNull: false,
           autoIncrement: true,
           primaryKey: true
          nombre: {
           type: Sequelize.STRING, allowNull: false,
            validate: {
             len: {
              args: [1, 50],
msg: "El nombre debe tener entre 1 y 50 caracteres"
          },
edad: {
           type: Sequelize.INTEGER,
            allowNull: true,
            validate: {
             min: 0,
              max: 30
          raza: {
           type: Sequelize.STRING,
allowNull: false,
            validate: {
              1en: {
                args: [1, 30],
                msg: "La raza debe tener entre 1 y 30 caracteres"
```

```
sexo: {
   type: Sequelize.STRING,
   allowNull: false,
   validate: {
       isIn: {
            args: [['M', 'F']],
            msg: "El sexo debe ser 'M' o 'F'"
       }
   },
   color: {
   type: Sequelize.STRING,
   allowNull: true
   }
});

export { adopcion };
```

```
# adopcionRouterjs X

src > rutas > JS adopcionRouterjs > ...

import express from "express";
import { crear, buscar } from "../controladores/adopcionController.js";

const routerAdopcion = express.Router();

routerAdopcion.get('/', (req, res) => {
    res.send('Hola Sitio de Mascotas');
    });

routerAdopcion.post('/crear', (req, res) => {
        crear(req, res);
    });

routerAdopcion.get('/buscar', (req, res) => {
        buscar(req, res);
    });

export { routerAdopcion };

export { routerAdopcion };
```

```
JS app.js
JS adopcionController.js
                                              ×
src > JS app.js > ...
   import express from "express";
import { routerAdopcion } from "./rutas/adopcionRouter.js";
import { db } from "./database/conexion.js";
      // Crear instancia de Express
        const app = express();
       app.use(express.json());
      db.authenticate()
          .then(() => {
            console.log("Conexión a la base de datos establecida correctamente.");
           .catch(err => {
    console.log("No se pudo conectar a la base de datos:", err);
         app.get('/', (req, res) => {
    res.send('Hola Sitio Principal');
         // Llamar rutas de adopción
app.use("/adopcion", routerAdopcion);
         const PORT = 4000;
        // Sincronizar la base de datos
db.sync[{ force: false }]
vlaps then(() => {
             app.listen(PORT, () => {
    console.log('Servidor inicializado en el puerto ${PORT}');
           .catch(err => {
             console.log('Error al sincronizar la base de datos: ${err}');
```

```
## Subprocession | ## Properties | ## Properti
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Dhon Chalacan\Documents\Diplomado\tallerbackend> npm run start

> tallerbackend@1.0.0 start
> nodemon ./src/app.js

[nodemon] 3.1.7
[nodemon] to restart at any time, enter 'rs'
[nodemon] watching path(s): *.*
[nodemon] watching path(s): *.*
[nodemon] starting path(s): *.*
[rodemon] starting 'node ./src/app.js'
Executing (default): SELECT 14.0 result
Executing (default): SELECT TABLE_NAME FROM INFORMATION_SCHEMA.TABLES WHERE TABLE_TYPE = 'BASE TABLE' AND TABLE_NAME = 'adopcions' AND TABLE_SCHEMA = 'adopcion'
Conexión a la base de datos establecida correctamente.
Executing (default): SON UNDEX FROM 'adopcions'
Servidor inicializado en el puerto 4000
Executing (default): SELECT 'id', 'nombre', 'edad', 'raza', 'sexo', 'color', 'createdAt', 'updatedAt' FROM 'adopcions' AS 'adopcion';
```

```
[nodemon] restarting due to changes...
[nodemon] starting node ./src/app.js

Executing (default): SELECT 1-1 AS result

Executing (default): SELECT TABLE_NAME FROM INFORMATION_SCHEMA.TABLES WHERE TABLE_TYPE = 'BASE TABLE' AND TABLE_NAME = 'adopcions' AND TABLE_SCHEMA = 'adopcions'

Executing (default): SELECT TABLE_NAME FROM INFORMATION_SCHEMA.TABLES WHERE TABLE_TYPE = 'BASE TABLE' AND TABLE_NAME = 'adopcions' AND TABLE_SCHEMA = 'adopcions'

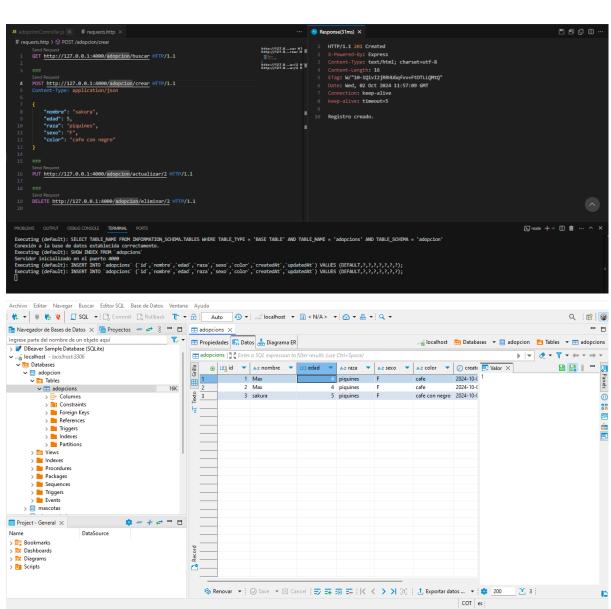
Conexión a la base de datos establecida correctamente.

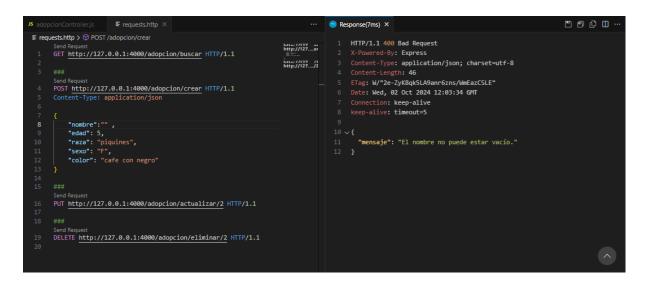
Executing (default): SHOW INDEX FROM 'adopcions'

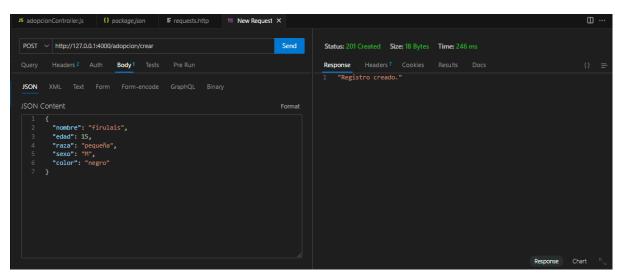
Servidor inicializado en el puerto 4000

Executing (default): INSERT INTO 'adopcions' ('id', 'nombre', 'edad', 'raza', 'sexo', 'color', 'createdAt', 'updatedAt') VALUES (DEFAULT,?,?,?,?,?,?,?);

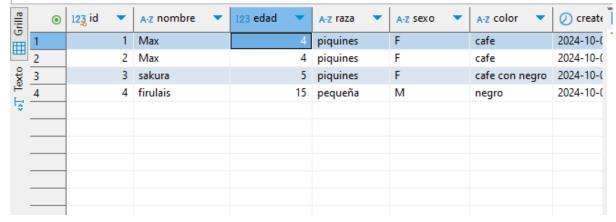
[nodemon] restarting due to changes...
```

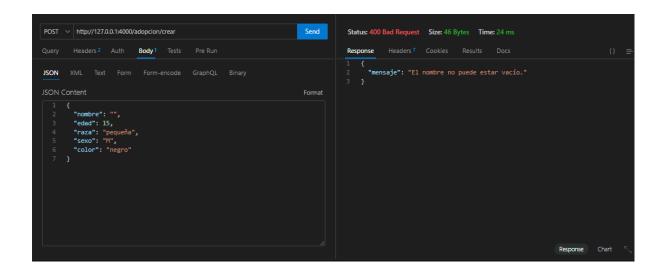


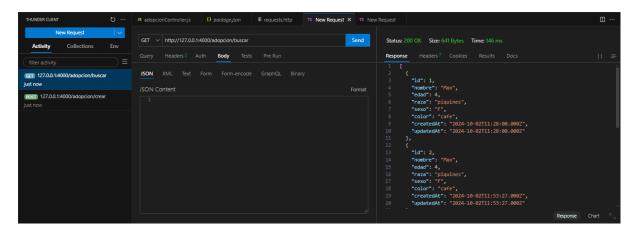


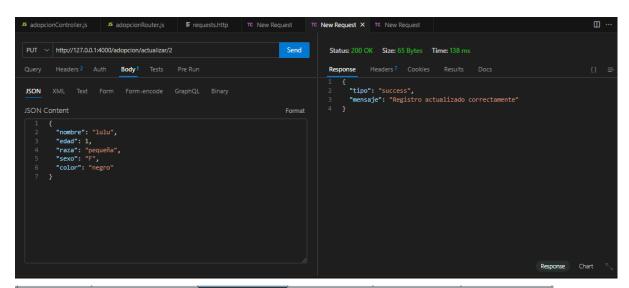






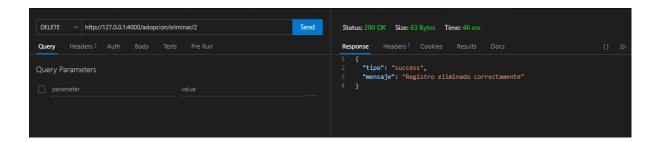






1	Max	4	piquines	F	cafe
2	Max	4	piquines	F	cafe
3	sakura	5	piquines	F	cafe con negro
4	firulais	15	pequeña	M	negro

1	Max	4	piquines	F	cafe
2	lulu	1	pequeña	F	negro
3	sakura	5	piquines	F	cafe con negro
4	firulais	15	pequeña	М	negro



1	Max	4	piquines	F	cafe
3	sakura	5	piquines	F	cafe con negro
4	firulais	15	pequeña	М	negro

