# Iniciando nuestra aplicación en node js

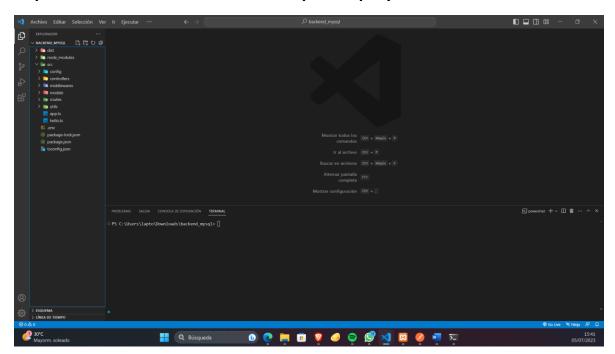
```
C:\Users\\lapto\OneDrive\Escritorio\UTNG\GDGS3891\Desarrollo web integral\U3\EXPRESS\back\npm init -y
Wrote to C:\Users\lapto\OneDrive\Escritorio\UTNG\GDGS3891\Desarrollo web integral\U3\EXPRESS\back\npackage.json:

{
    "name": "back",
    "version": "1.0 0",
    "description": "",
    "main": "index.js",
    "scriptis": {
        "test": "scrio \"Error: no test specified\" && exit 1"
        ",
        "author': ",
        "license": "J.
        "license": "J.
        "Lapto\OneDrive\Escritorio\UTNG\GDGS3891\Desarrollo web integral\U3\EXPRESS\back\

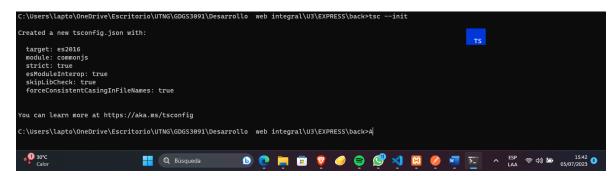
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C:\Users\lapto\OneDrive\Escritorio\UTNG\GDGS3891\Desarrollo web integral\U3\EXPRESS\back\|
```

# Implementando nuestros directorios para el proyecto



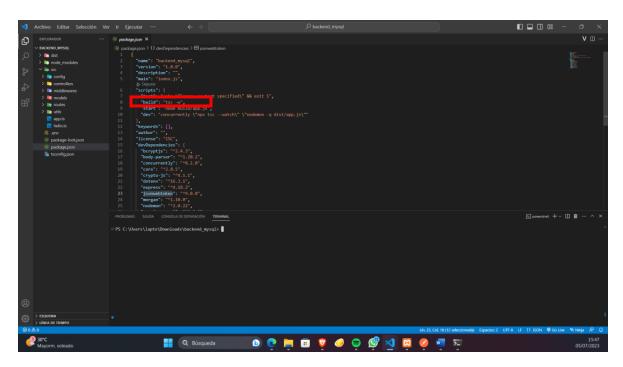
# Creación del tsconfig.json



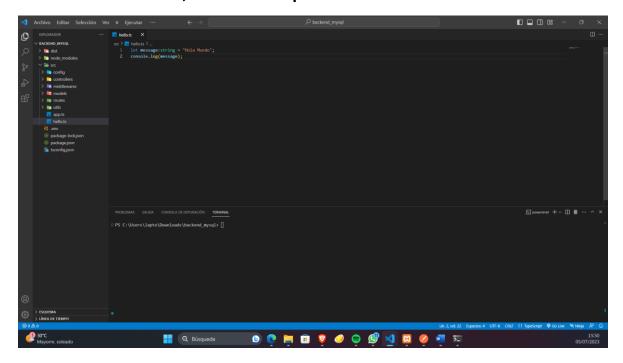
Poniendo la ruta para que al momento de mandarlo a produccion lo pase a javascript



Poniendo el comando para observar los cambios



# Mandando un saludo, se creó la carpeta build



**Dependencias instaladas** 

```
"keywords": [],
"author": "",
"license": "ISC",
"devDependencies": {
    "bcryptjs": "^2.4.3",
    "body-parser": "^1.20.2",
    "concurrently": "^8.2.0",
    "cors": "^2.8.5",
    "crypto-js": "^4.1.1",
    "dotenv": "^16.3.1",
    "express": "^4.18.2",
    "jsonwebtoken": "^9.0.0",
    "morgan": "^1.10.0",
    "nodemon": "^2.0.22",
    "promise-mysql": "^5.2.0",
    "validator": "^13.9.0"
}
```

# **Configuramos nuestro index.ts**

```
| Archive | false | Selection | Ver | N | Second |
```

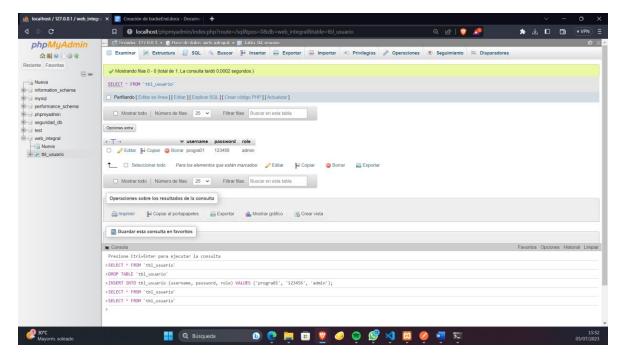
# Creamos nuestro archvo de rutas para definirlas

```
Active Idian Selection We in Special Test and analysis of the Control of the Cont
```

# Creamos el método iniciar sesión

```
| Active | Calcum | Selection | Wr | F | Security | Sec
```

## Creamos la tabla

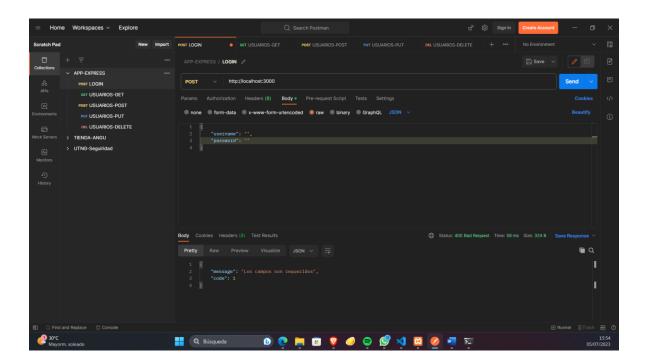


#### Insertamos el usuario



Modificando el auth-controller para validación de entradas

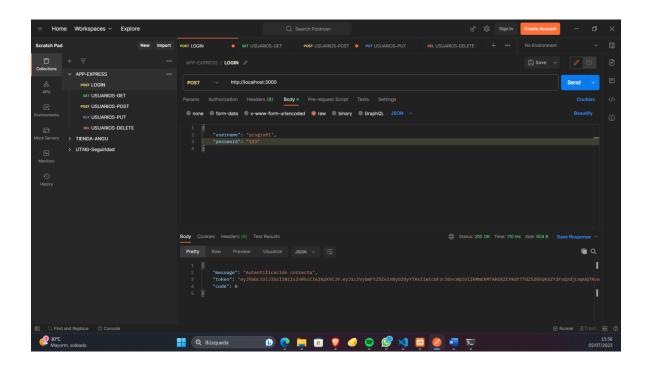
# Validación de entrada



# Agregando Autenticación y verificando si existe

```
### Special Controllers > Special Controller
```

## Verificación de inicio de sesión



Modificando la consulta para que valide el username y el passoword

```
| Archive | Editor | Selection | We | P | Spectar | We | P | Speciar |
```

## Creamos el user modelo

```
| Archive | Idian | Selection | Ver | Frigorial | Ver | Second | Ver | Ver
```

# Agregando lógica en usuarios

## Listar

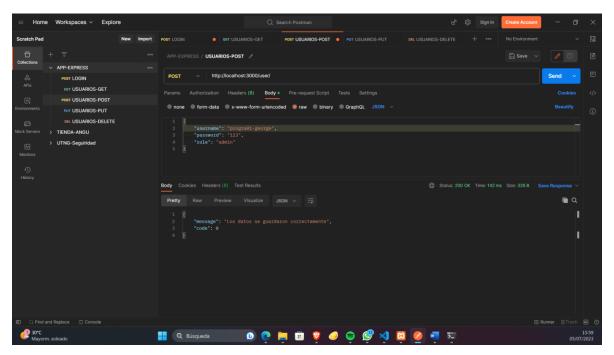
```
public async listar() {
    const result = await pool.then( async (connection) => {
        return await connection.query(" SELECT u.username, u.password, u.role FROM tbl_usuario u ") });
    return result;
}
```

#### Insertar

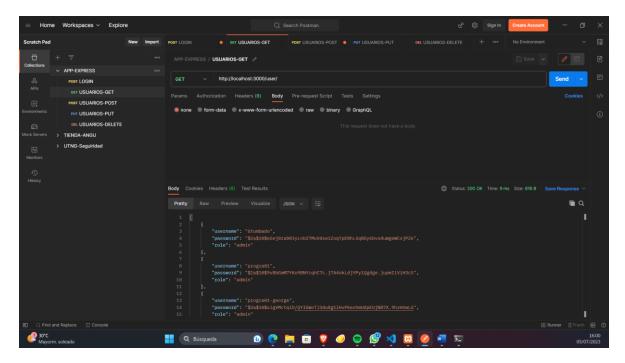
### **Actualizar**

## **Eliminar**

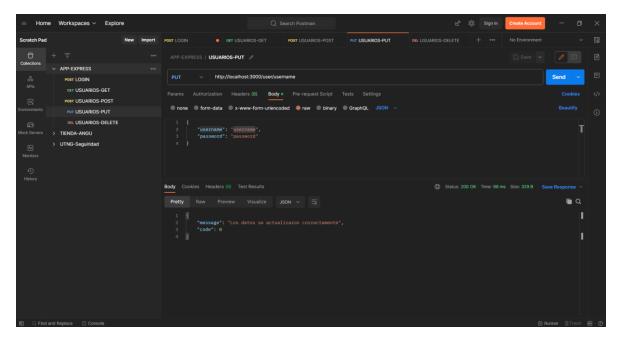
# Verificando en guardar



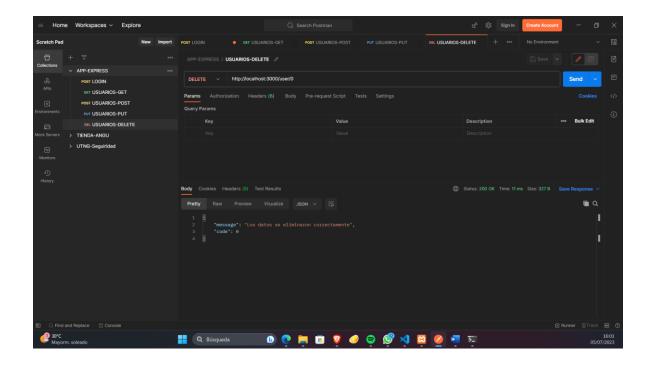
**Verificando Listar** 



## Verificando actualizar



Verificando eliminar



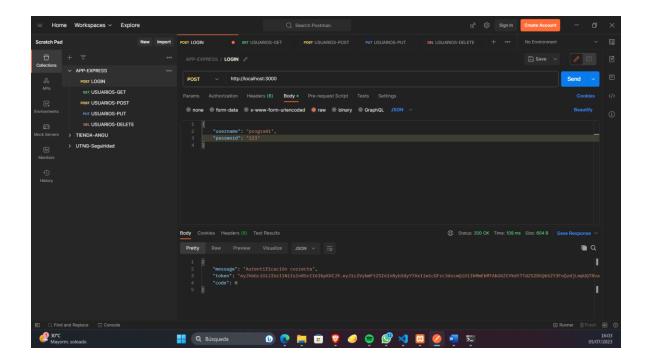
Json web token

```
| Active | Inflate | Selection | Ver | Ver | Special | Ver | Ver
```

# **Enviamos el token**

```
Active (alian Selection Ver V | Security | S
```

Probando con Post man



## Probando con Sitio de JWT

