

Contenido

Taller N° 2 .....1

1. Crear una base de datos MYSQL Fruver .....2

2. Desarrollar una aplicación Backend implementada en NodeJS y .....2

ExpressJS.....2

2. Realizar verificación de las diferentes operaciones a través de

Imnsomia .....5

2.1 Productos.....5

    Crear.....5

    Leer .....5

    Buscar.....6

    Actualizar.....6

    Eliminar .....6

2.2 Usuarios.....7

    Crear.....7

    Leer .....7

    Buscar.....7

    Actualizar.....8

    Eliminar .....8

2.3 Carro de compras (Maestro) .....9

    Crear.....9

    Leer .....9

    Buscar.....9

    Actualizar.....10

    Eliminar .....10

2.3 Carro de compras - Producto (Detalle) .....11

    Crear.....11

    Leer .....11

    Buscar.....11

    Actualizar.....12

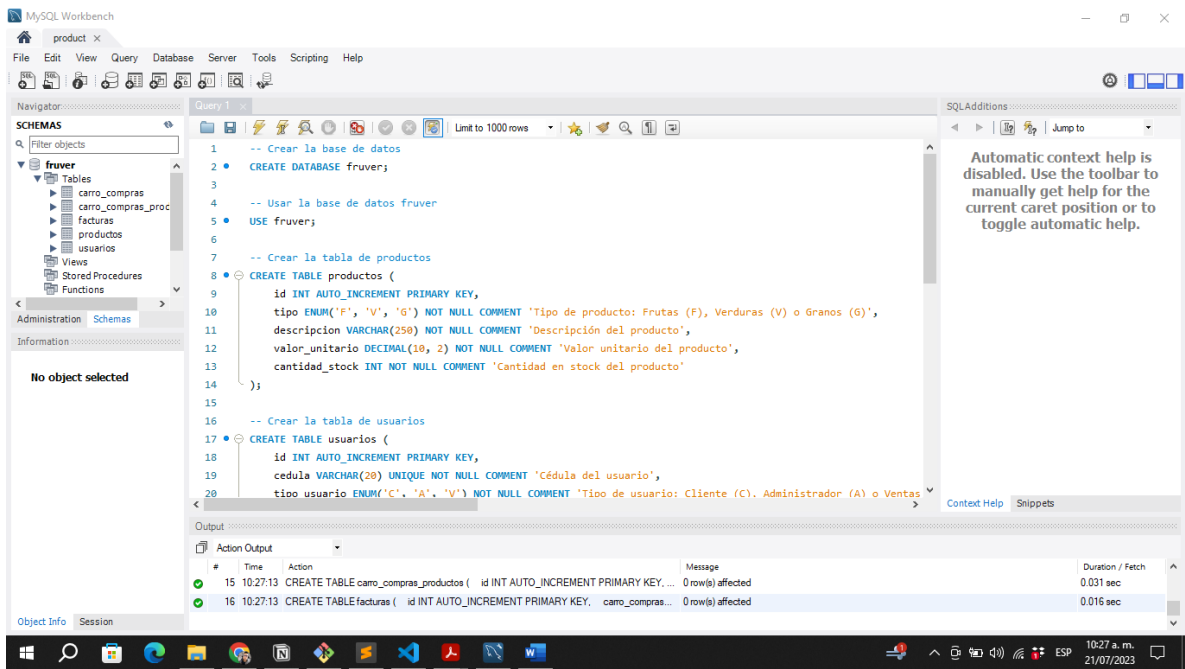
    Eliminar .....12

2.4 Facturas.....12

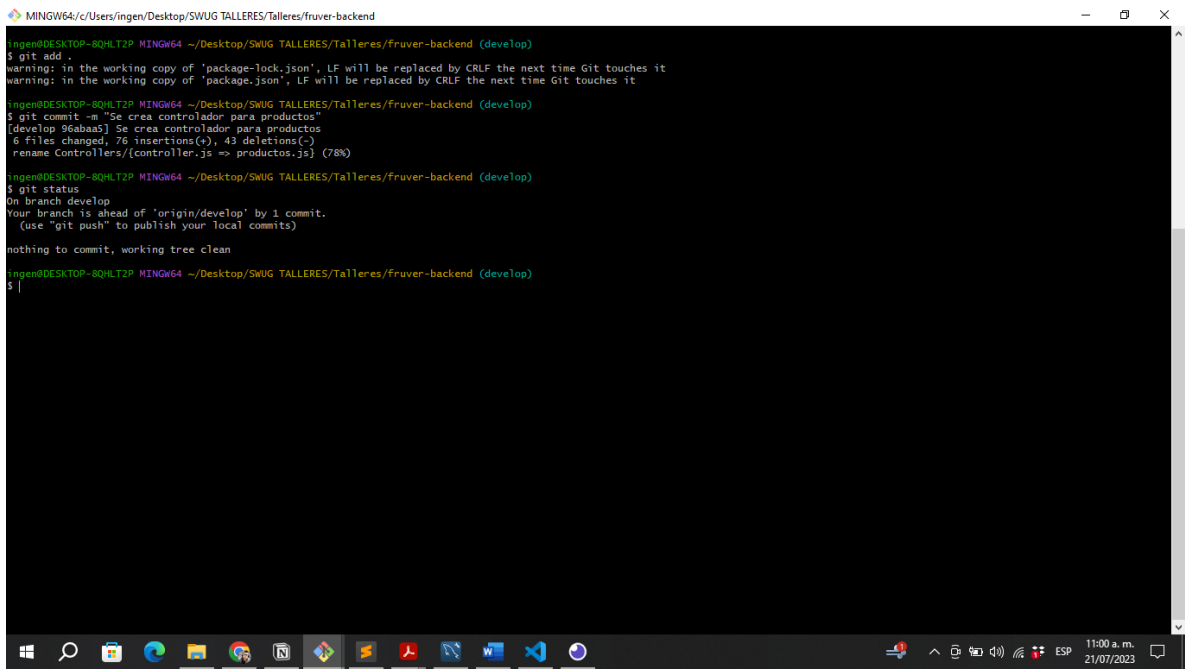
    Crear, Luego se consulta y el monto total será actualizado .....12

    Leer .....13

# 1. Crear una base de datos MYSQL Fruver



# 2. Desarrollar una aplicación Backend implementada en NodeJS y ExpressJS.



## Se crea el proyecto y se agrega servicio de productos

```
MINGW64/c/Users/ingen/Desktop/SWUG TALLERES/Talleres/fruver-backend

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres
$ git init fruver-backend
Initialized empty Git repository in C:/Users/ingen/Desktop/SWUG TALLERES/Talleres/fruver-backend/.git/

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres
$ git add .
fatal: not a git repository (or any of the parent directories): .git

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres
$

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres
$ git init fruver-backend
Reinitialized existing Git repository in C:/Users/ingen/Desktop/SWUG TALLERES/Talleres/fruver-backend/.git/

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres
$ cd fruver-backend/

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git add .
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package-lock.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package.json', LF will be replaced by CRLF the next time Git touches it

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git commit -m "Se crea proyecto backend para el fruver y se agrega servicio para la gestion de productos"
[master (root-commit) 6506bde] Se crea proyecto backend para el fruver y se agrega servicio para la gestion de productos
13 files changed, 1921 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 Controllers/productos.js
 create mode 100644 Database/database.js
 create mode 100644 Models/productos.js
 create mode 100644 README.md
 create mode 100644 Routes/routes.js
 create mode 100644 favicon.ico
 create mode 100644 js/index.html
 create mode 100644 js/main.js
 create mode 100644 js/modulo.js
 create mode 100644 package-lock.json
 create mode 100644 package.json
 create mode 100644 server.js

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git remote add origin https://github.com/snknft/fruver-backend.git

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git push -u origin main
```

## Se sube el repositorio al servidor de github

```
MINGW64/c/Users/ingen/Desktop/SWUG TALLERES/Talleres/fruver-backend

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ cd fruver-backend/

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git add .
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package-lock.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package.json', LF will be replaced by CRLF the next time Git touches it

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git commit -m "Se crea proyecto backend para el fruver y se agrega servicio para la gestion de productos"
[master (root-commit) 6506bde] Se crea proyecto backend para el fruver y se agrega servicio para la gestion de productos
13 files changed, 1921 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 Controllers/productos.js
 create mode 100644 Database/database.js
 create mode 100644 Models/productos.js
 create mode 100644 README.md
 create mode 100644 Routes/routes.js
 create mode 100644 favicon.ico
 create mode 100644 js/index.html
 create mode 100644 js/main.js
 create mode 100644 js/modulo.js
 create mode 100644 package-lock.json
 create mode 100644 package.json
 create mode 100644 server.js

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git remote add origin https://github.com/snknft/fruver-backend.git

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git push -u origin main
error: src refspec main does not match any
error: Failed to push some refs to 'https://github.com/snknft/fruver-backend.git'

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git push -u origin master
Enumerating objects: 20, done.
Counting objects: 100% (20/20), done.
Delta compression using up to 4 threads
Compressing objects: 100% (14/14), done.
Writing objects: 100% (20/20), 19.93 KiB | 2.49 MiB/s, done.
Total 20 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/snknft/fruver-backend.git
 * [new branch] master -> master
branch 'master' set up to track 'origin/master'.

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$
```

## Se agrega servicio para usuarios

```
MINGW64/c/Users/ingen/Desktop/SWUG TALLERES/Talleres/fruver-backend

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    Routes/routes.js
        modified:   server.js

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Controllers/usuarios.js
        Models/usuarios.js
        Routes/producto-routes.js
        Routes/usuario-routes.js

no changes added to commit (use "git add" and/or "git commit -a")

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git add .

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git commit -m "Se agrega servicio para la gestion de usuarios"
[master b20828d] Se agrega servicio para la gestion de usuarios
6 files changed, 152 insertions(+), 19 deletions(-)
 create mode 100644 Controllers/usuarios.js
 create mode 100644 Models/usuarios.js
 create mode 100644 Routes/producto-routes.js
 delete mode 100644 Routes/routes.js
 create mode 100644 Routes/usuario-routes.js

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git push
Enumerating objects: 15, done.
Counting objects: 100% (15/15), done.
Delta compression using up to 4 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (10/10), 1.56 KiB | 688.00 KiB/s, done.
Total 10 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/snknft/fruver-backend.git
  6506bde..b20828d master -> master

ingen@DESKTOP-BQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$
```

## Se agrega servicio para carro de compras

```
MINGW64/c/Users/ingen/Desktop/SWUG TALLERES/Talleres/fruver-backend
ingen@DESKTOP-RQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   server.js

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Controllers/carro_compras.js
    Controllers/carro_compras_productos.js
    Models/carro_compras.js
    Models/carro_compras_productos.js
    Routes/carro_compras_productos-routes.js
    Routes/carro_compras-routes.js

no changes added to commit (use "git add" and/or "git commit -a")
ingen@DESKTOP-RQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git add .
ingen@DESKTOP-RQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git commit -m "Se agrega servicio para carro de compras"
[master 912b929] Se agrega servicio para carro de compras
 7 files changed, 279 insertions(+), 1 deletion(-)
 create mode 100644 Controllers/carro_compras.js
 create mode 100644 Controllers/carro_compras_productos.js
 create mode 100644 Models/carro_compras.js
 create mode 100644 Models/carro_compras_productos.js
 create mode 100644 Routes/carro_compras_productos-routes.js
 create mode 100644 Routes/carro_compras-routes.js
ingen@DESKTOP-RQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git push
Enumerating objects: 17, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 4 threads
Compressing objects: 100% (12/12), done.
Writing objects: 100% (12/12), 2.47 KiB | 1.23 MiB/s, done.
Total 12 (delta 5), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (5/5), completed with 2 local objects.
To https://github.com/snknft/fruver-backend.git
   b20828d..912b929  master -> master
ingen@DESKTOP-RQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$
```

## Se agrega servicio para facturación

```
MINGW64/c/Users/ingen/Desktop/SWUG TALLERES/Talleres/fruver-backend
ingen@DESKTOP-RQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   server.js

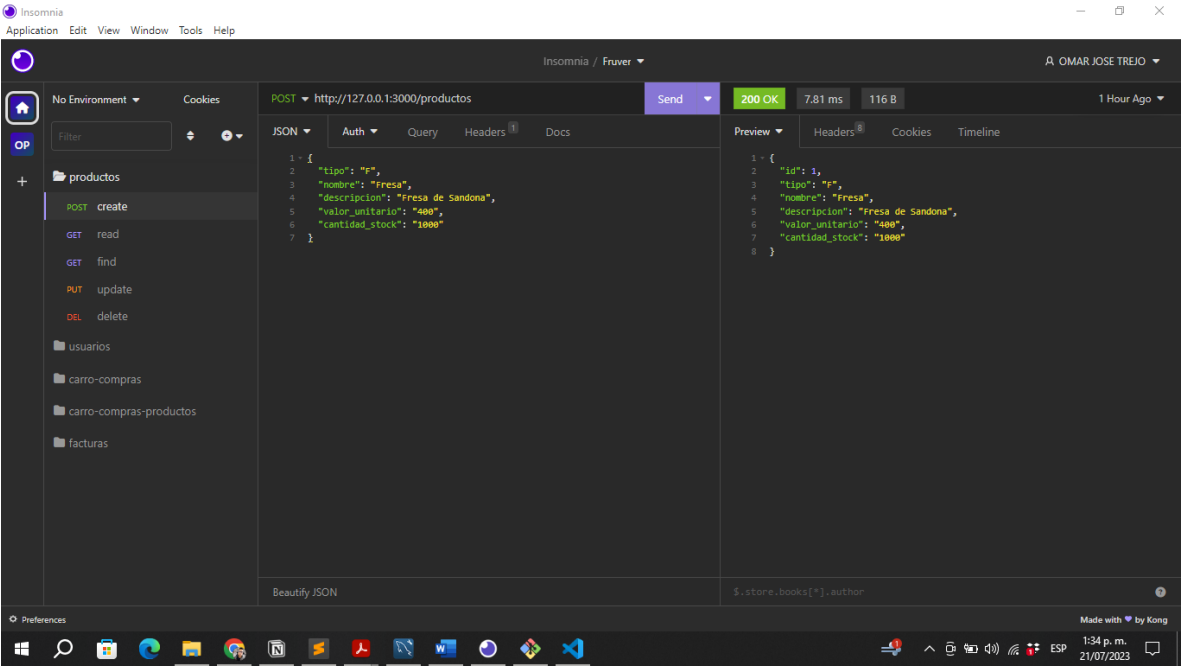
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Controllers/Facturas.js
    Models/Facturas.js
    Routes/factura-routes.js

no changes added to commit (use "git add" and/or "git commit -a")
ingen@DESKTOP-RQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git add .
ingen@DESKTOP-RQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git commit -m "Se agrega servicio para facturas"
[master 162dbf9] Se agrega servicio para facturas
 4 files changed, 126 insertions(+),
 create mode 100644 Controllers/facturas.js
 create mode 100644 Models/facturas.js
 create mode 100644 Routes/factura-routes.js
ingen@DESKTOP-RQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$ git push
Enumerating objects: 14, done.
Counting objects: 100% (14/14), done.
Delta compression using up to 4 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (9/9), 1.60 KiB | 819.00 KiB/s, done.
Total 9 (delta 5), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (5/5), completed with 5 local objects.
To https://github.com/snknft/fruver-backend.git
   912b929..162dbf9  master -> master
ingen@DESKTOP-RQHLT2P MINGW64 ~/Desktop/SWUG TALLERES/Talleres/fruver-backend (master)
$
```

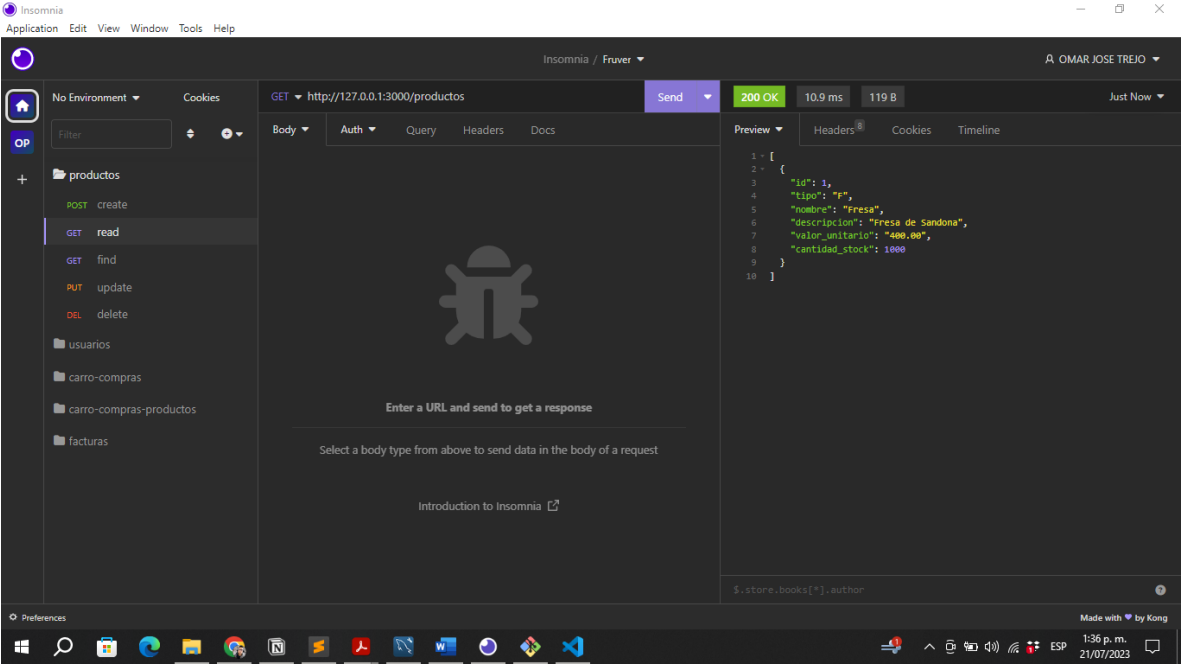
## 2. Realizar verificación de las diferentes operaciones a través de Imnsomia

### 2.1 Productos

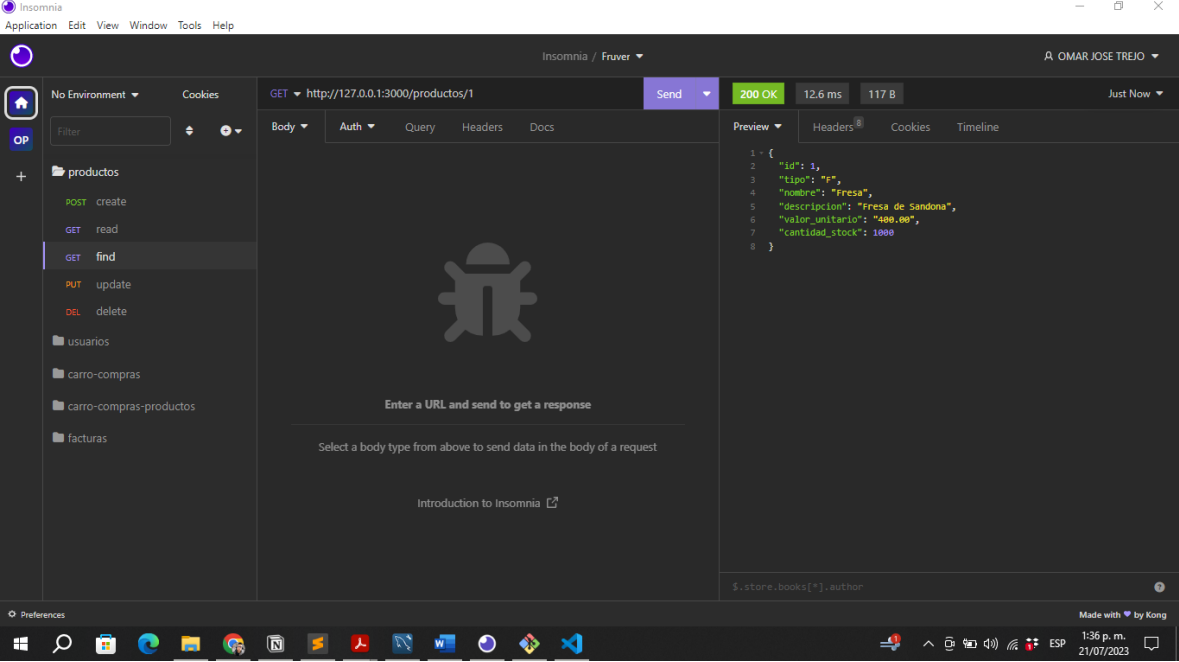
#### Crear



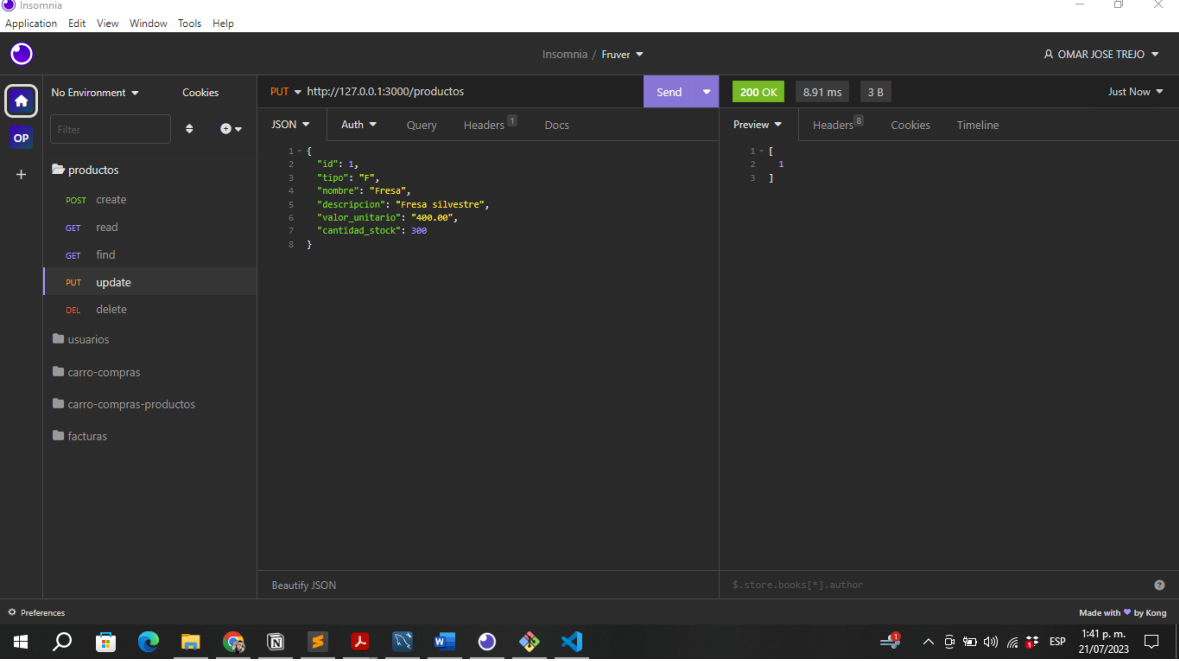
#### Leer



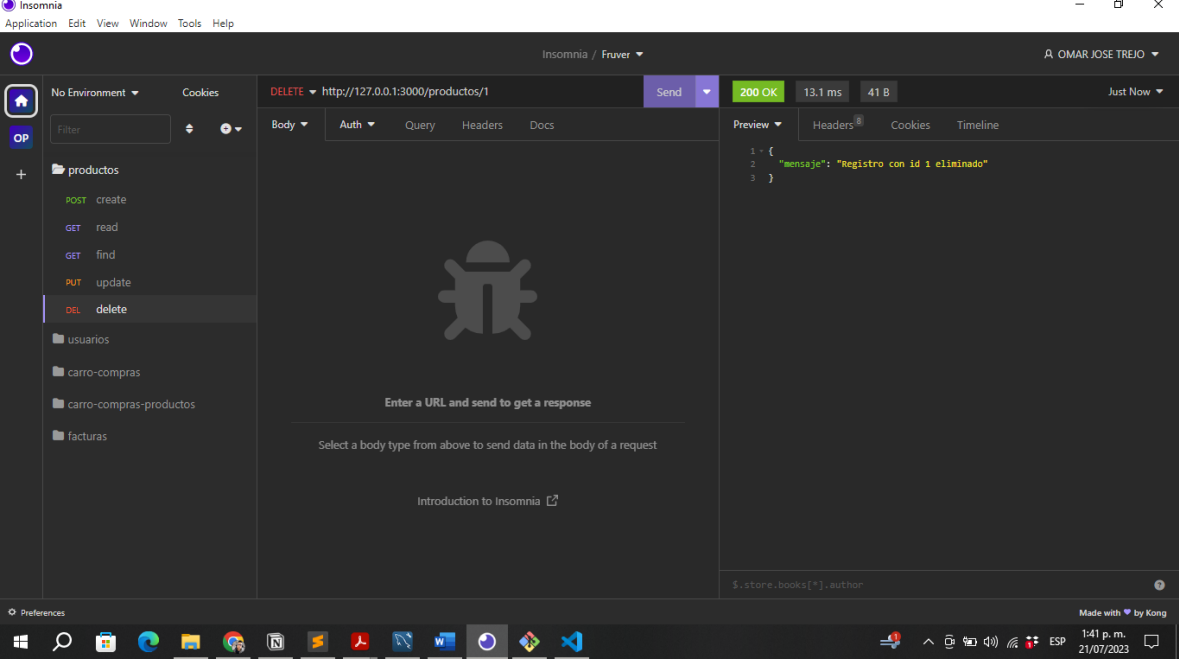
# Buscar



# Actualizar

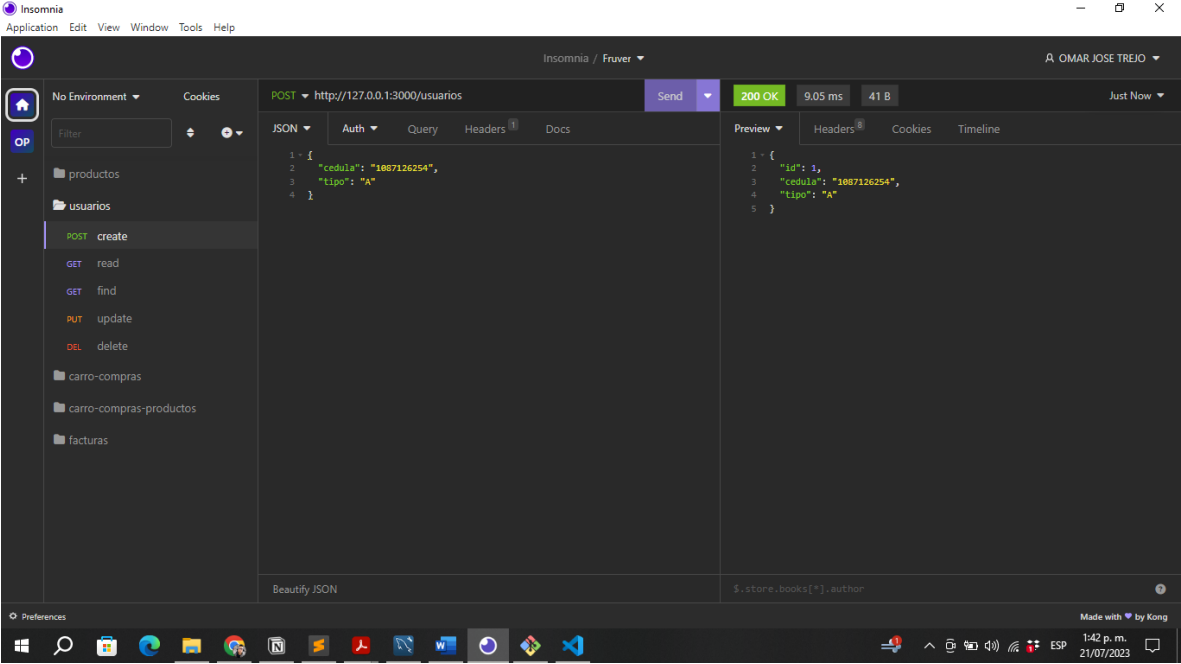


# Eliminar

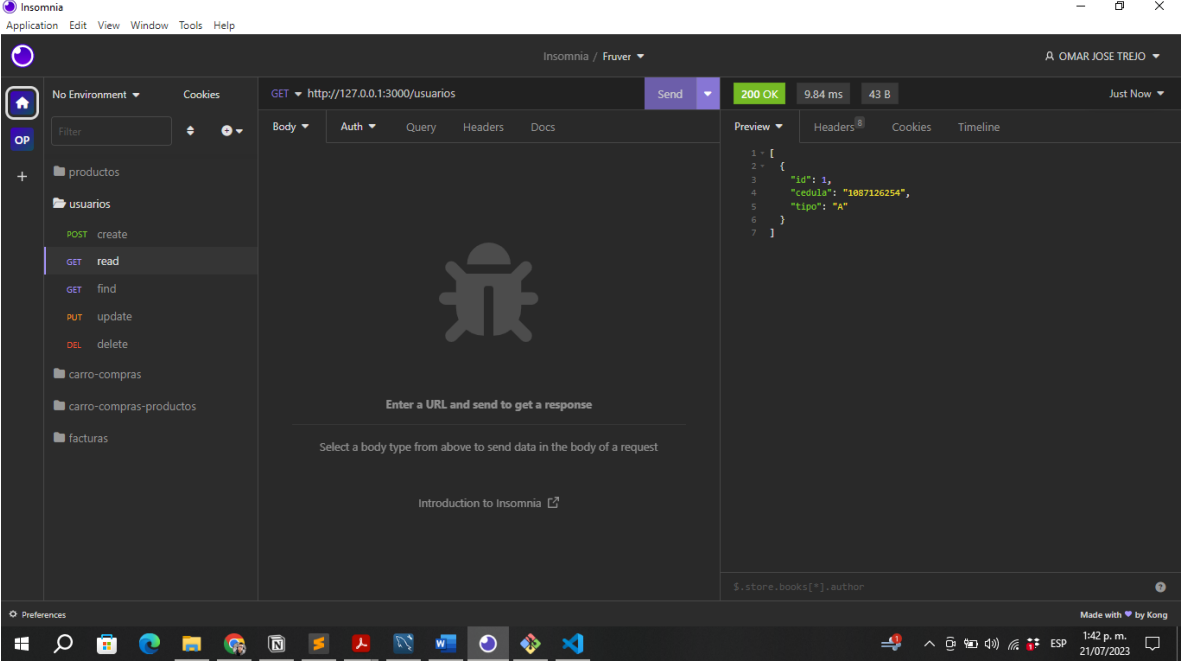


## 2.2 Usuarios

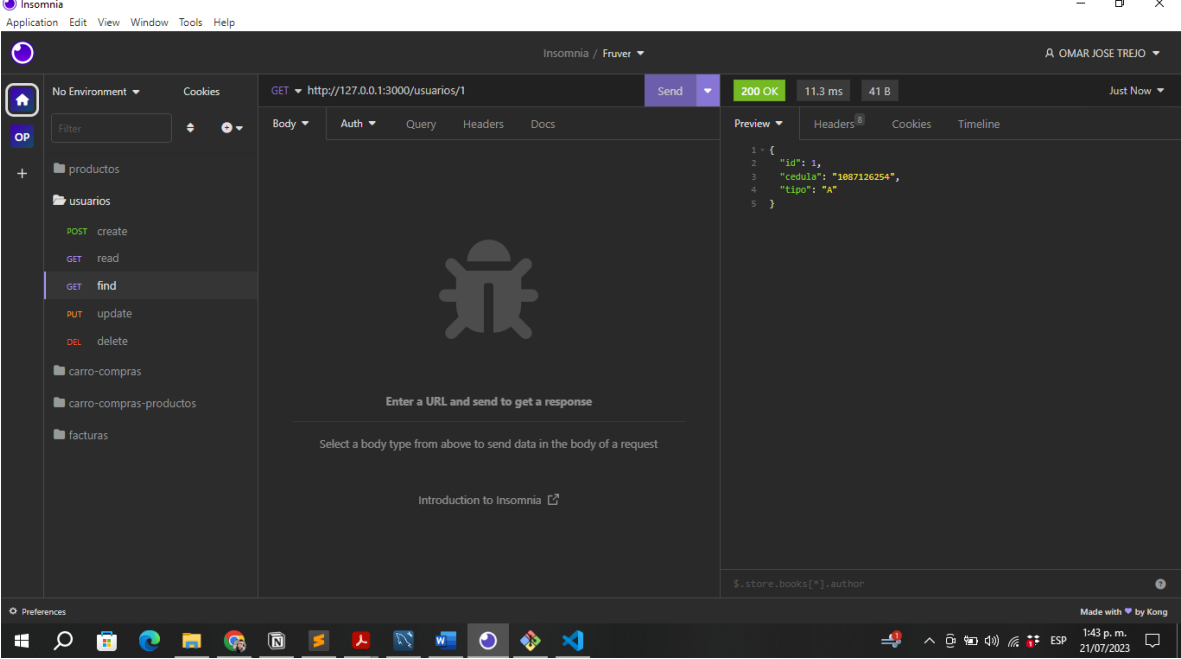
### Crear



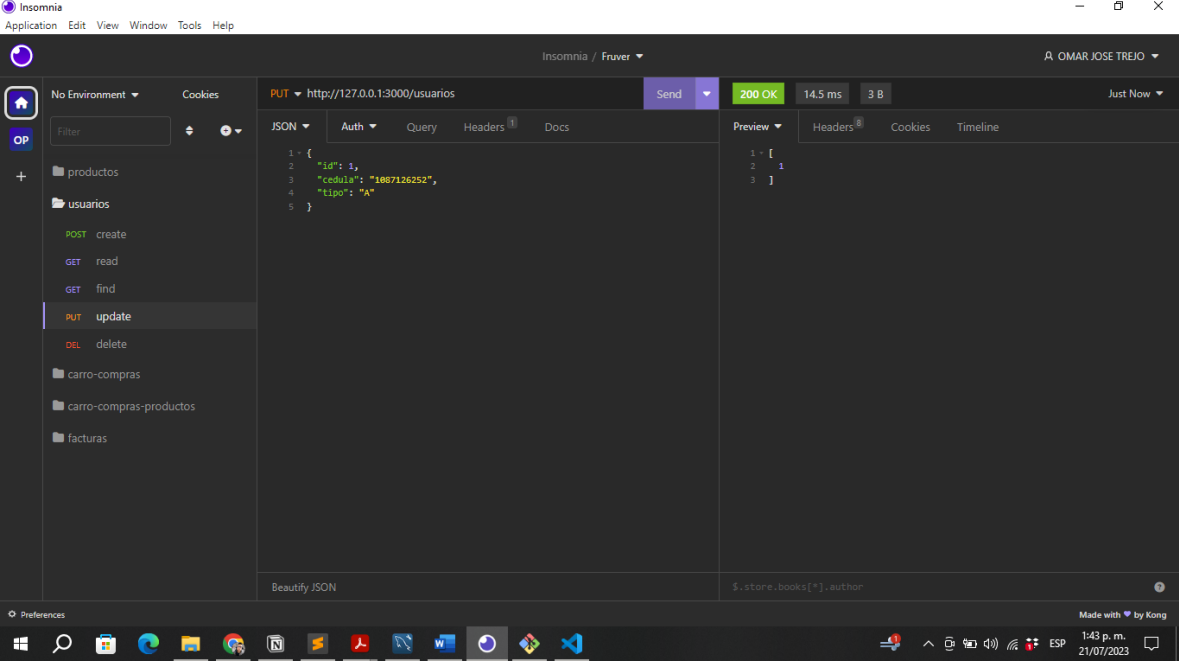
### Leer



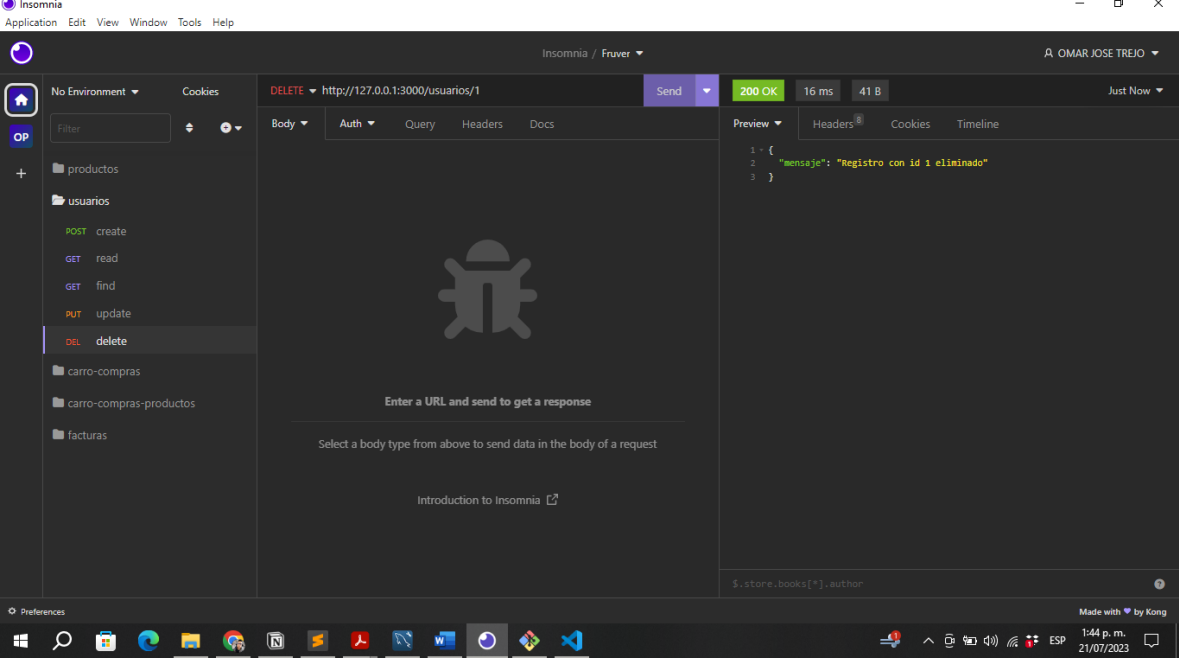
### Buscar



# Actualizar



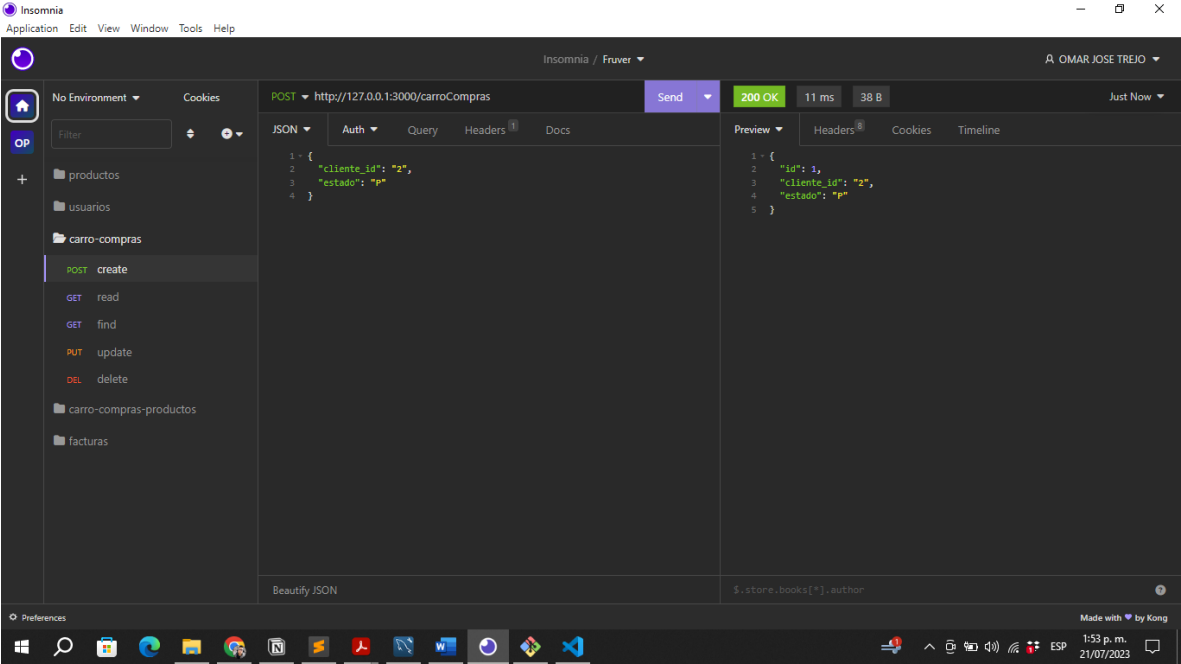
# Eliminar



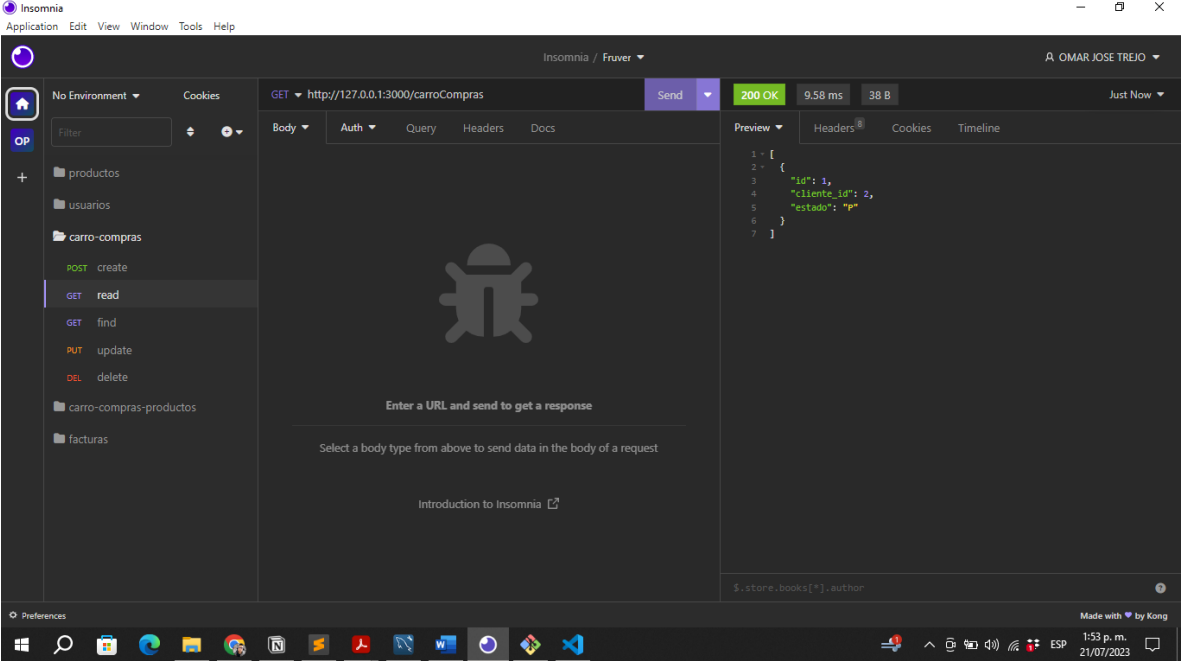


## 2.3 Carro de compras (Maestro)

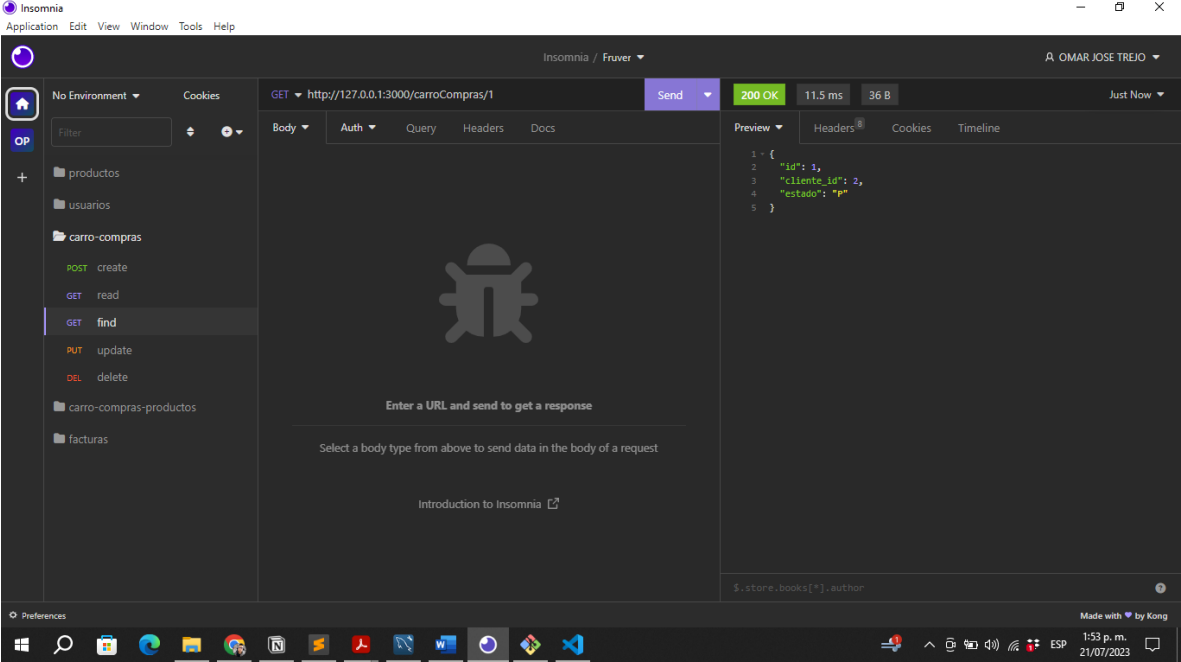
### Crear



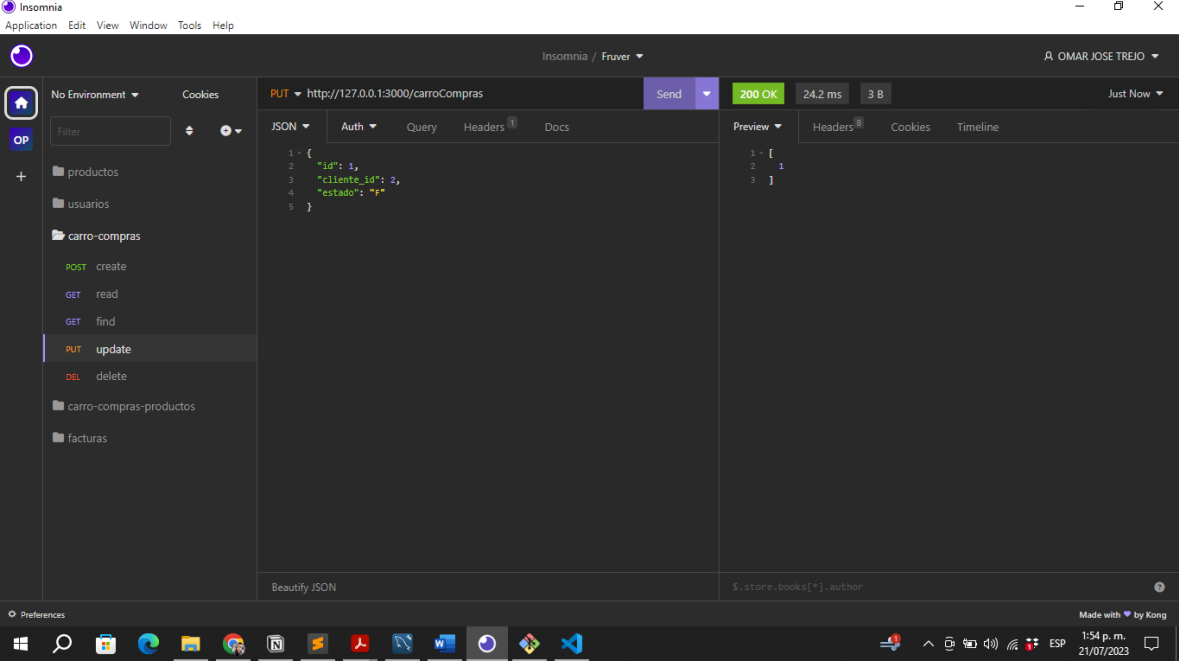
### Leer



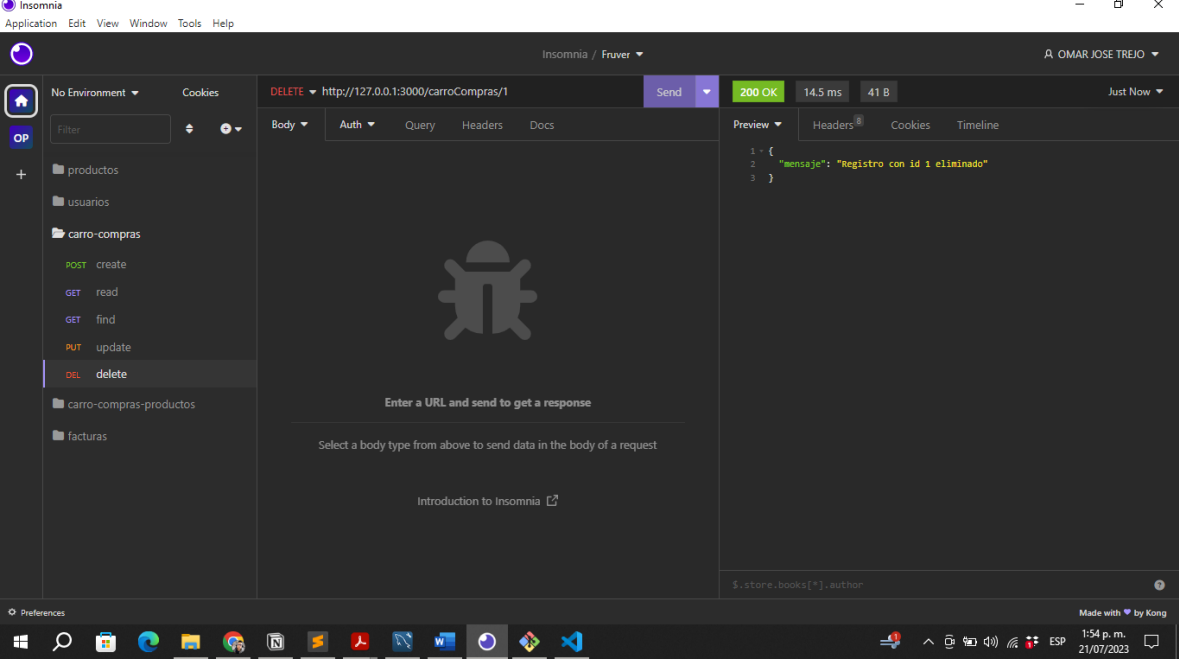
### Buscar



# Actualizar

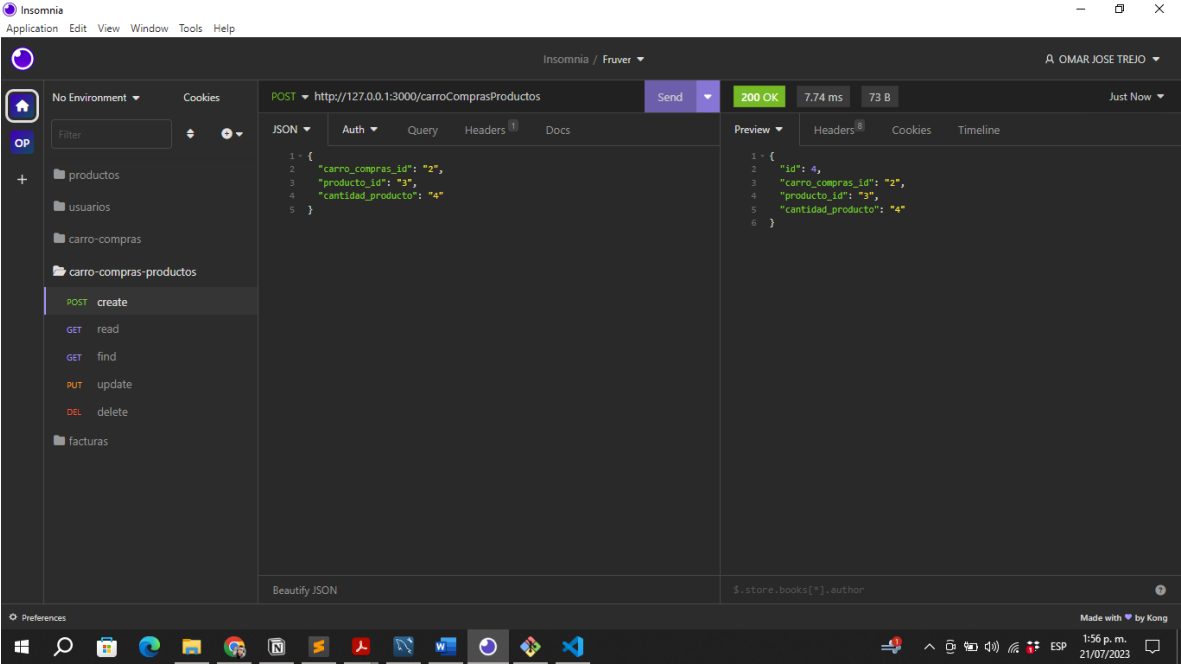


# Eliminar

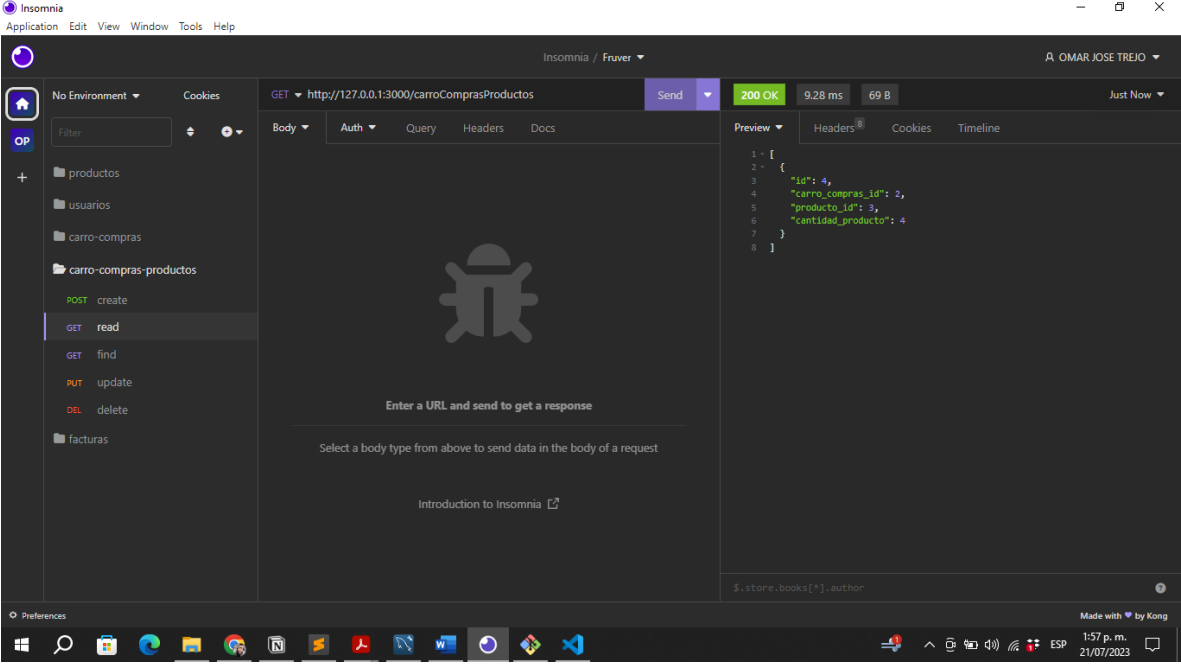


## 2.3 Carro de compras - Producto (Detalle)

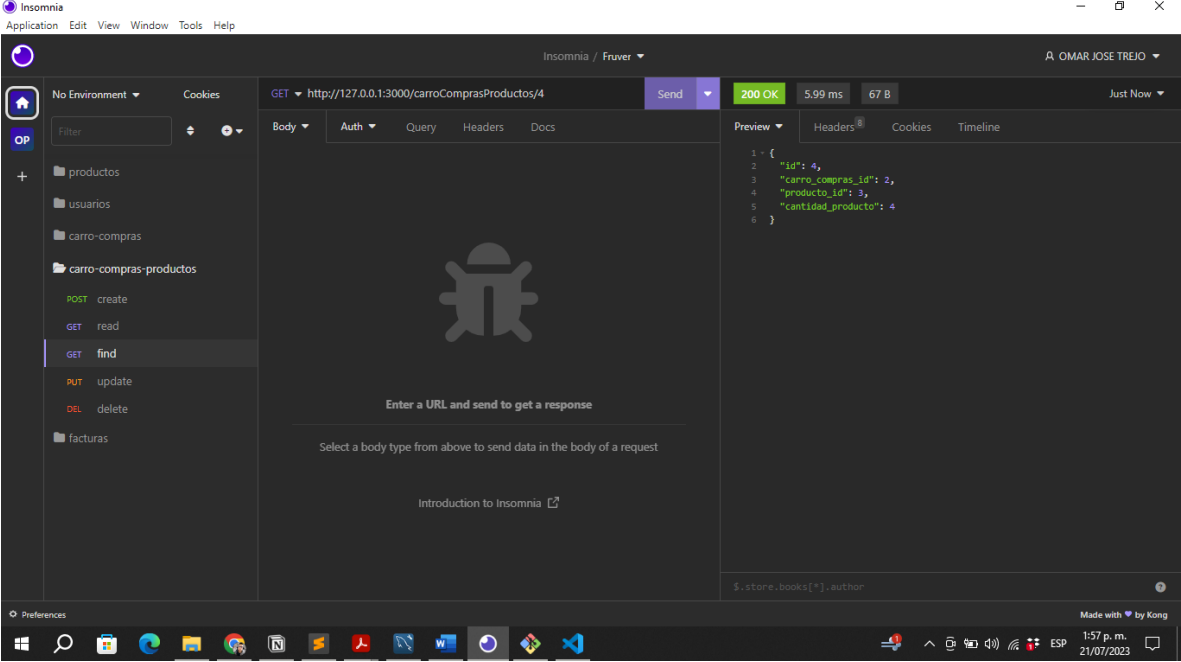
### Crear



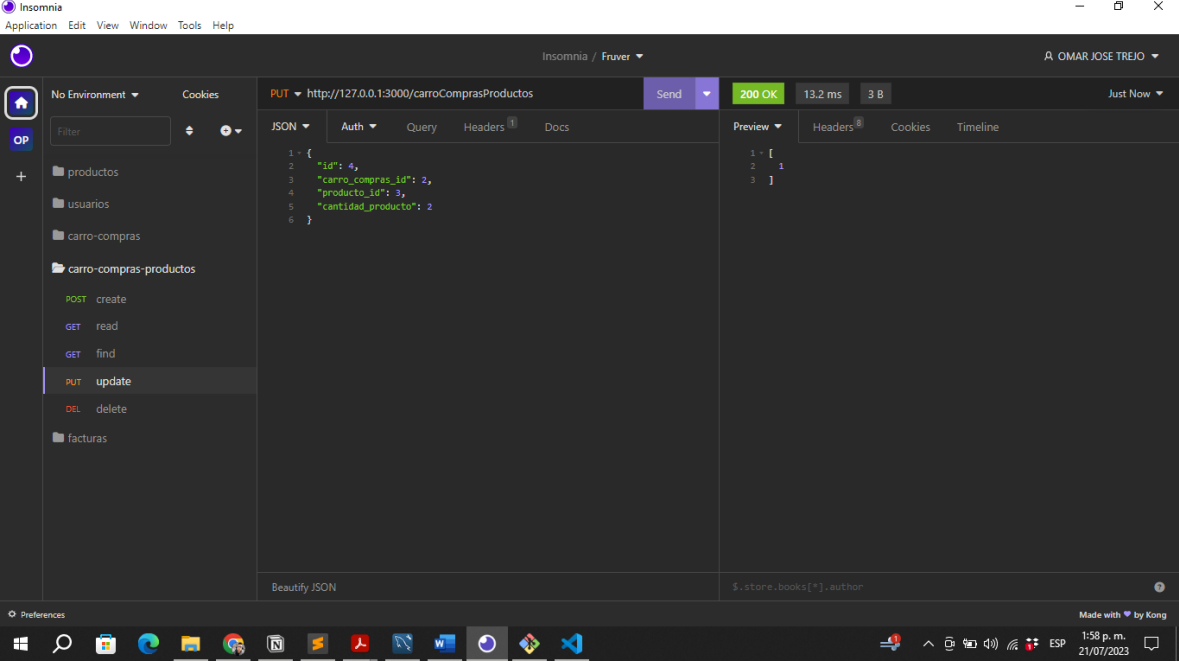
### Leer



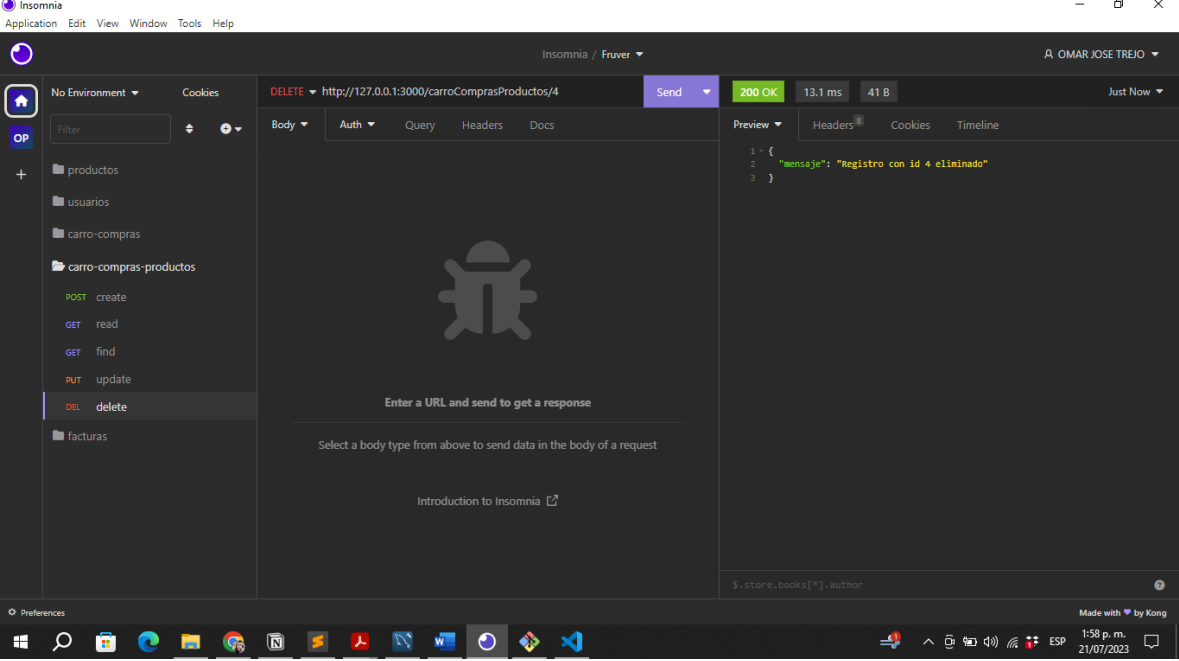
### Buscar



# Actualizar

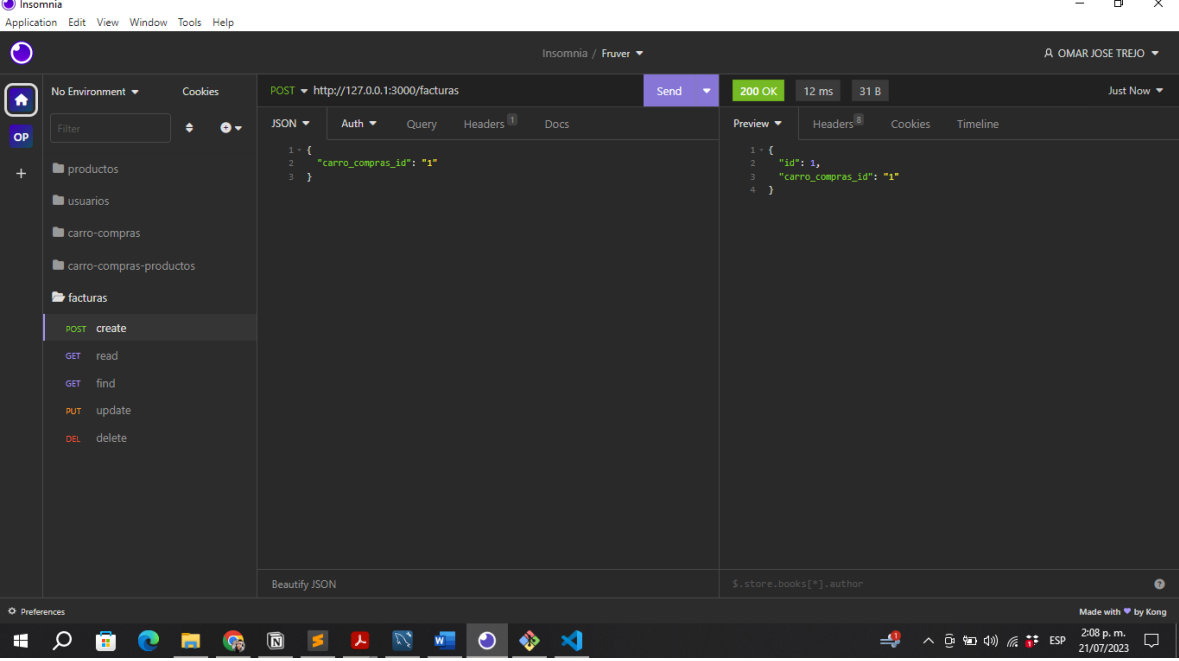


# Eliminar



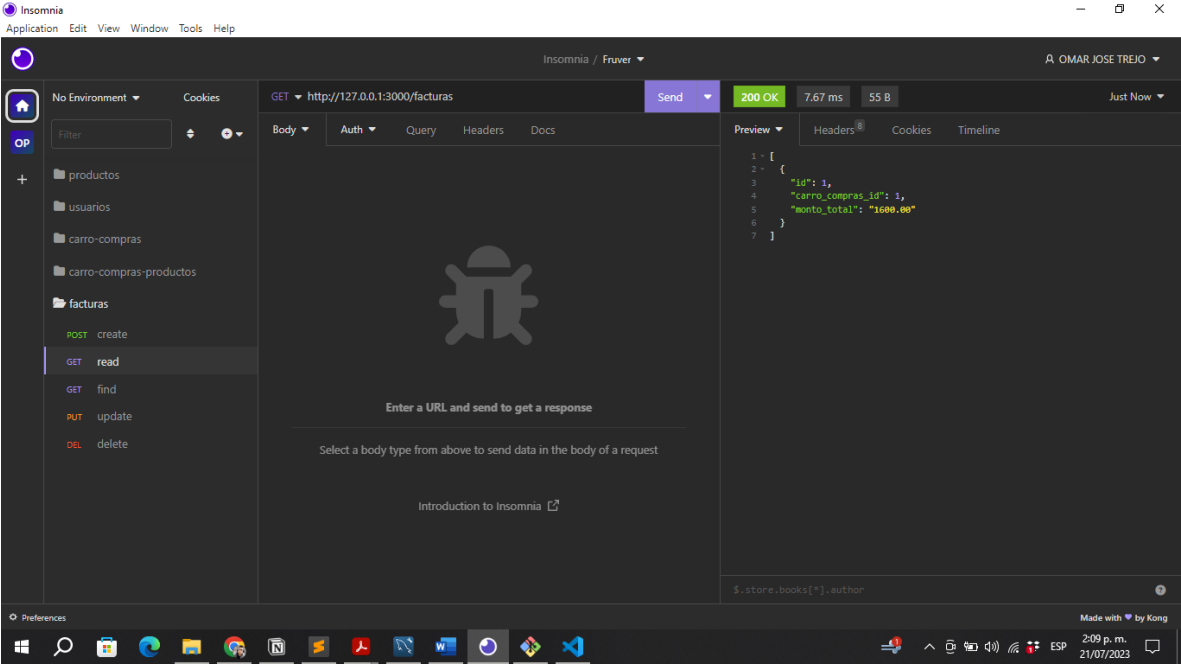
## 2.4 Facturas

# Crear, Luego se consulta y el monto total ser\u00e1 actualizado

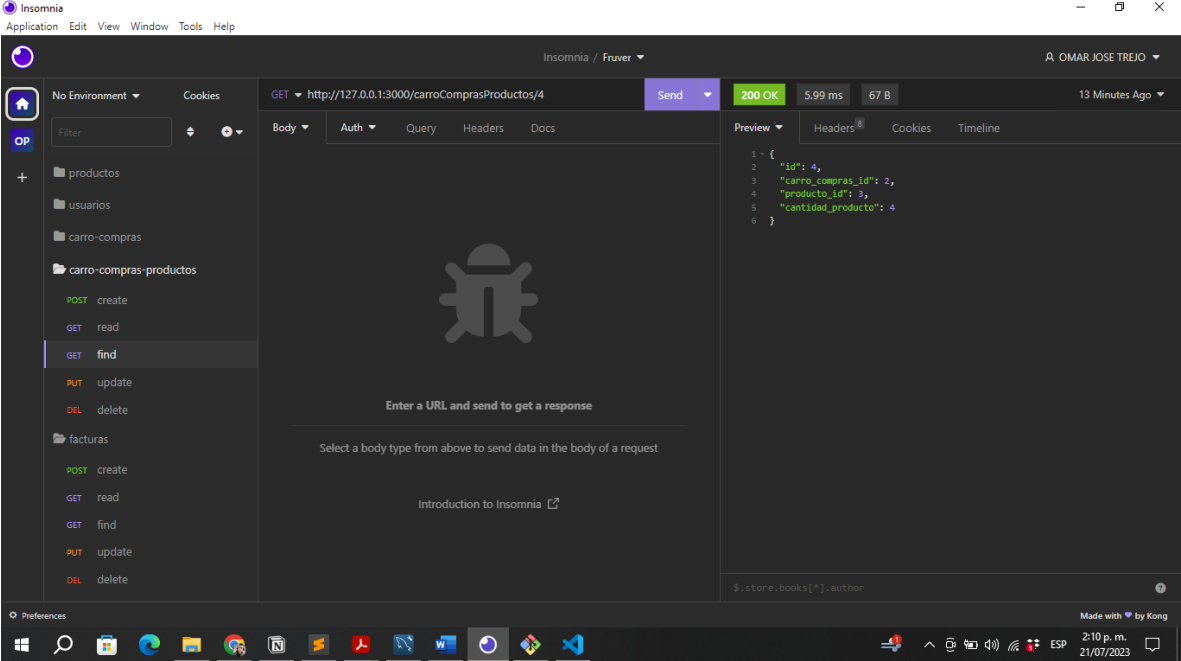


# Leer

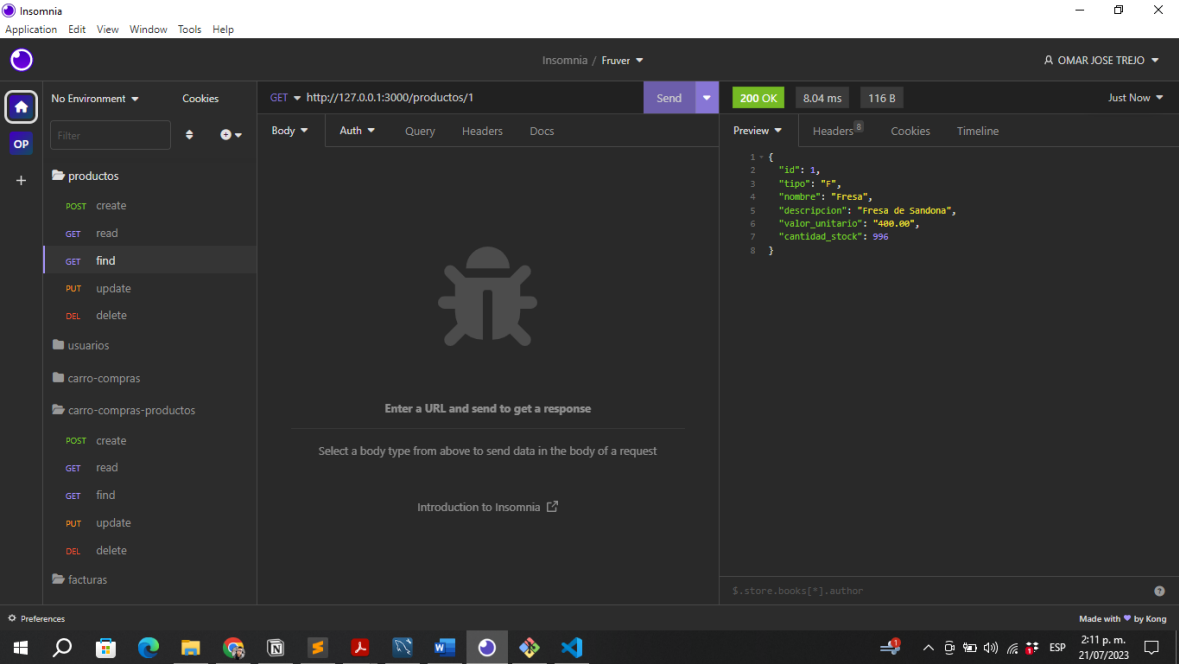
Las fresas cuestan 400 y se agregaron al carro 4 fresas



# Carrito



## Se actualiza el stock, restando las 4 fresas de las 1000



## Se finaliza la compra y se cierra el carro

