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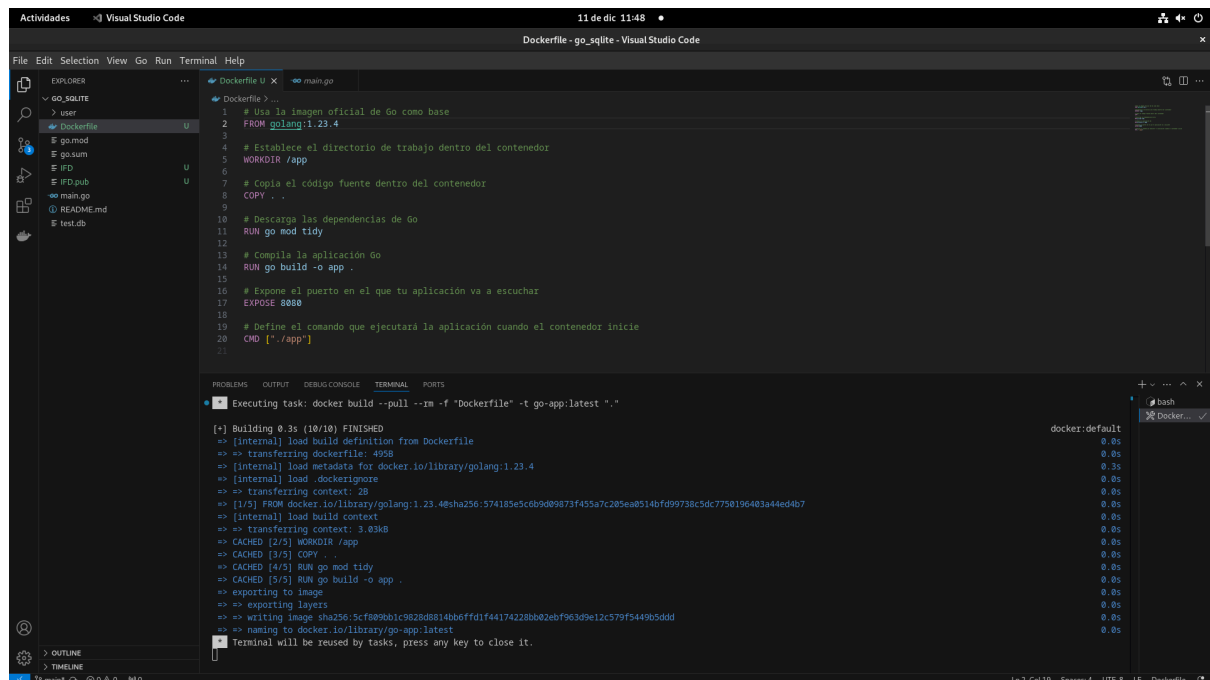
202313024 – 3743

JOAN SEBASTIAN SAAVEDRA

202313025 – 3743

## INFORME PARCIAL 2

## CONSOLA IMAGEN



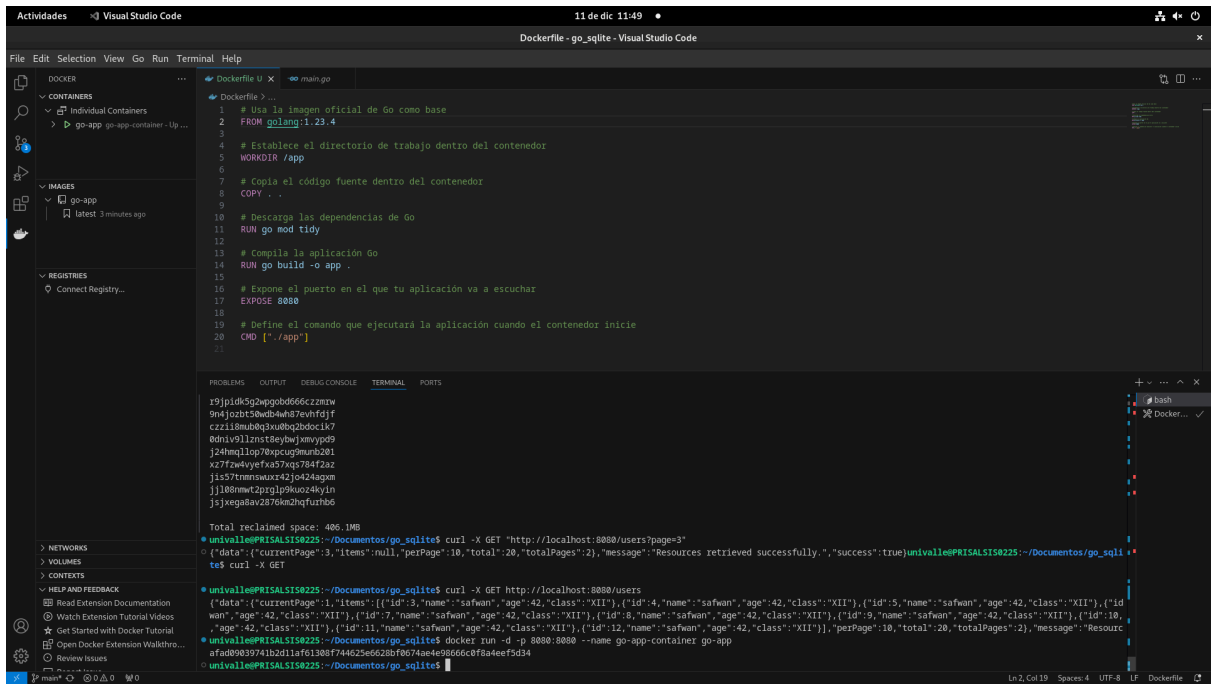
The screenshot shows the Visual Studio Code interface with a Dockerfile open in the editor and its build output in the terminal. The Dockerfile contains the following instructions:

```
1 # Usa la imagen oficial de Go como base
2 FROM golang:1.23.4
3
4 # Establece el directorio de trabajo dentro del contenedor
5 WORKDIR /app
6
7 # Copia el código fuente dentro del contenedor
8 COPY . .
9
10 # Descarga las dependencias de Go
11 RUN go mod tidy
12
13 # Compila la aplicación Go
14 RUN go build -o app .
15
16 # Expone el puerto en el que tu aplicación va a escuchar
17 EXPOSE 8080
18
19 # Define el comando que ejecutará la aplicación cuando el contenedor inicie
20 CMD ["/app"]
```

The terminal output shows the build process for the Docker image:

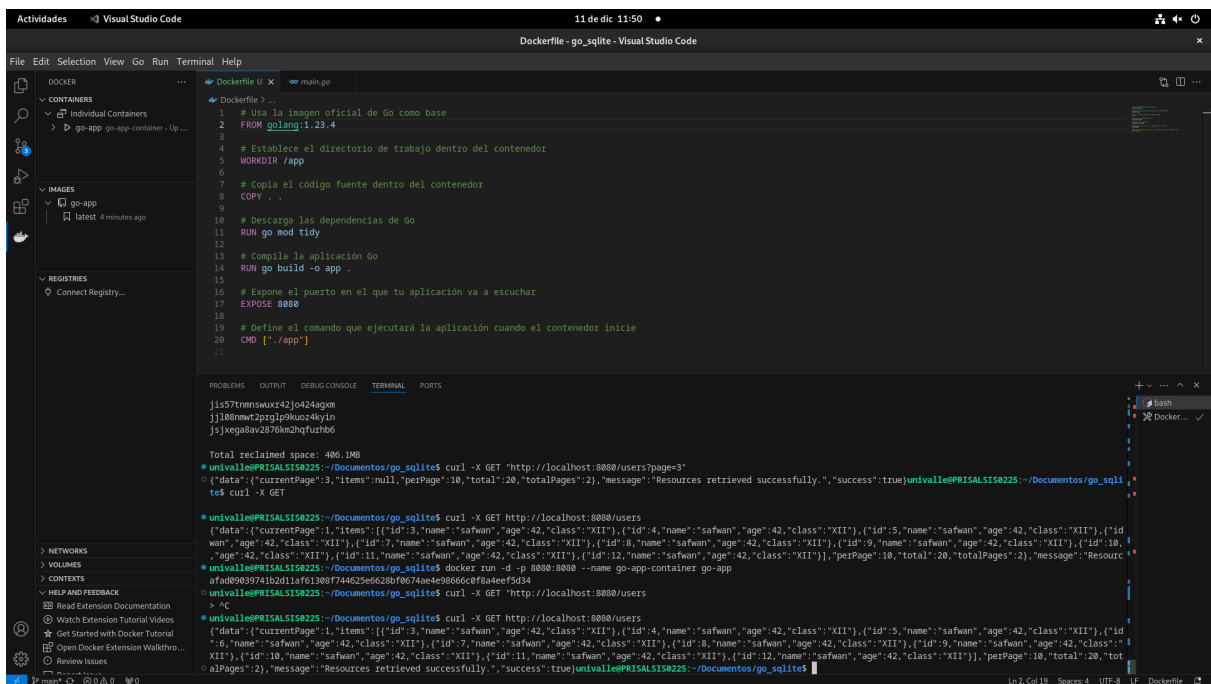
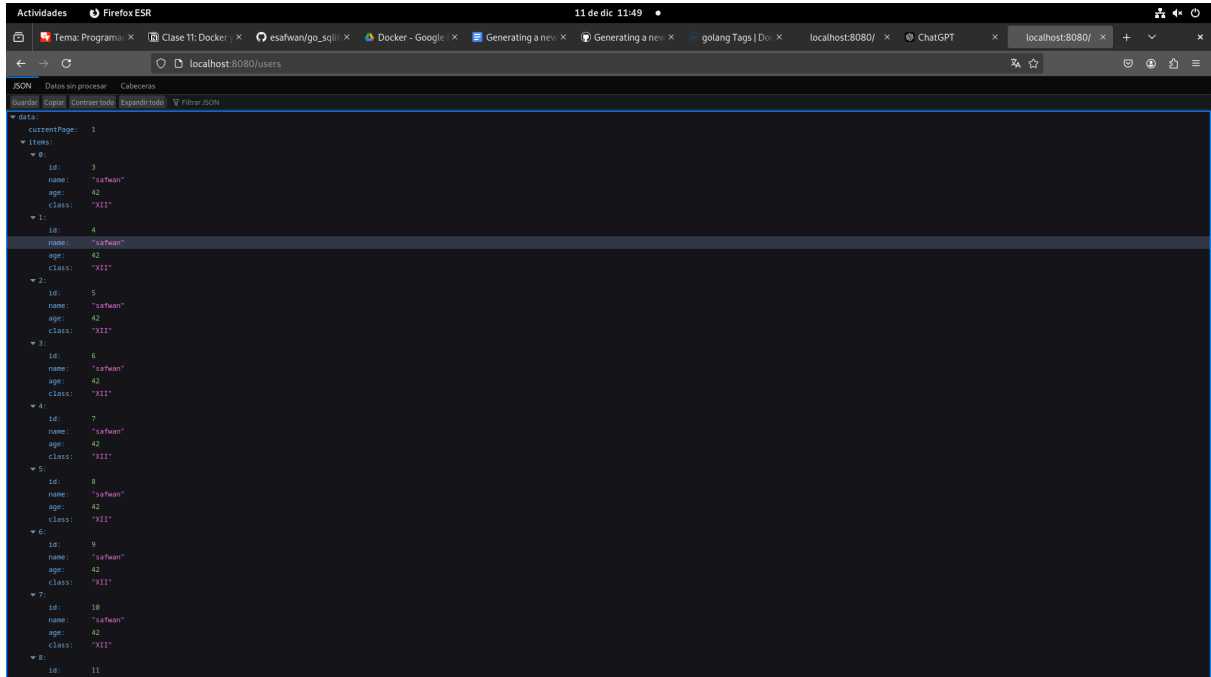
```
[+] Building 0.3s (10/10) FINISHED
=> [internal] load build definition from Dockerfile
=> == transferring dockerfile: 495B
=> [internal] load metadata for docker.io/library/golang:1.23.4
=> [internal] load .dockerignore
=> == transferring context: 2B
=> [1/5] FROM docker.io/library/golang:1.23.4@sha256:574185e5c6b9d098737455a7c205ea0514bf99738c5dc7758196483a44ed4b7
=> [internal] load build context
=> == transferring context: 3.03kB
=> CACHED [2/5] WORKDIR /app
=> CACHED [3/5] COPY . .
=> CACHED [4/5] RUN go mod tidy
=> CACHED [5/5] RUN go build -o app .
=> exporting to image
=> exporting layers
=> writing image sha256:5cf8090b1c9828d8814bb6ffdf44174228bb2ebf963d9e12c579f5449b5ddd
=> naming to docker.io/library/go-app:latest
Terminal will be reused by tasks, press any key to close it.
```

## CONSOLA CONTENEDOR

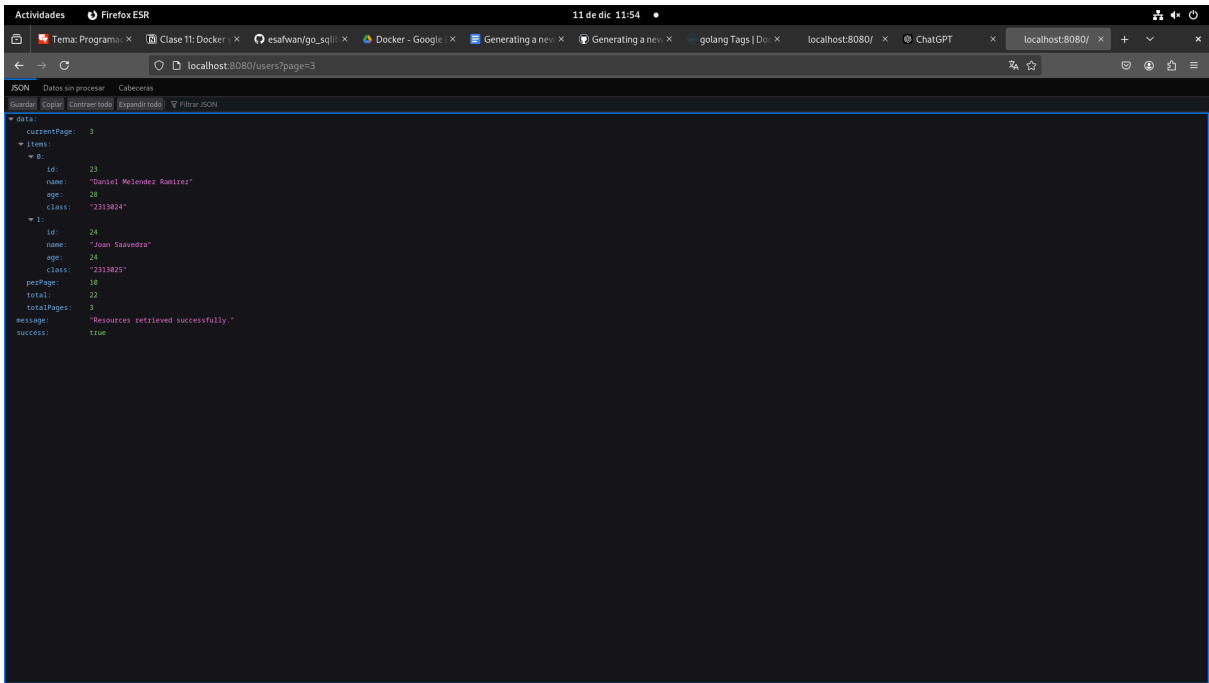
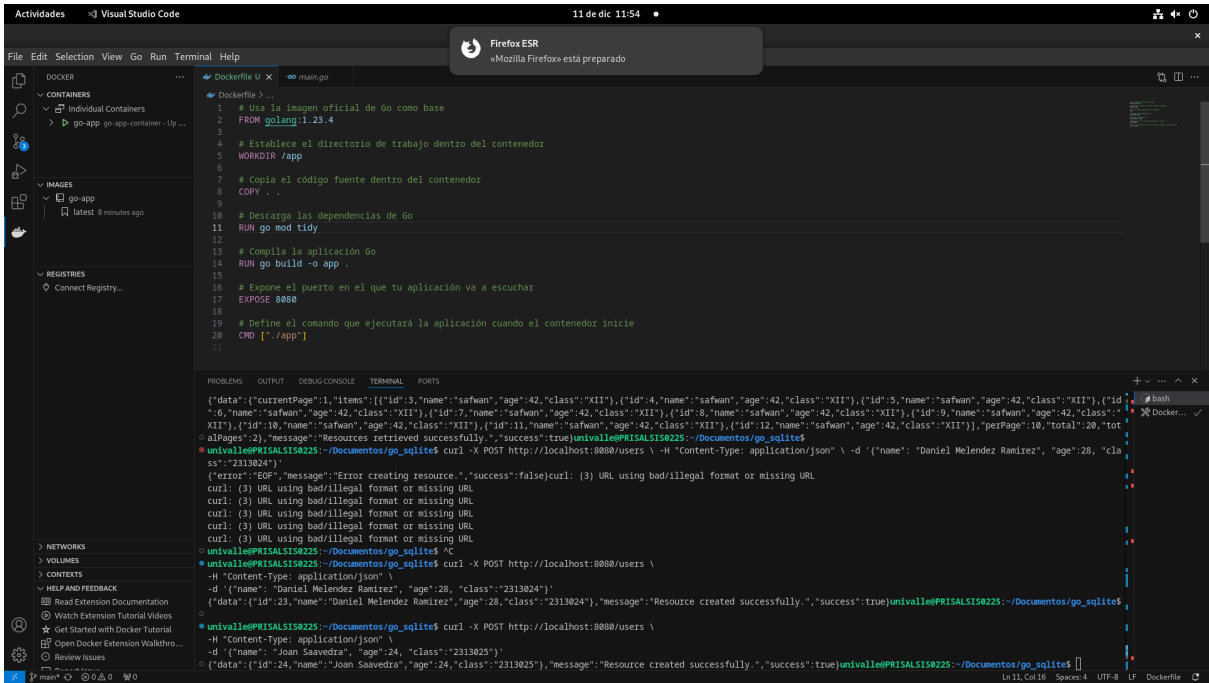


## APLICACION PUERTO 80

## BASE DE DATOS, CONSULTANDO LOS USUARIOS EXISTENTES



# BASE DE DATOS, AGREGANDO NUEVOS USUARIOS



# DOCKER COMPOSE

The screenshot shows the Visual Studio Code interface with the following components:

- Explorer:** Shows a project structure for 'PARCIAL 2 IPD' with subfolders like 'parciales-parcial-2', 'user', 'Dockerfile', 'go.mod', 'go.sum', 'Informe IPD.pdf', 'main.go', 'README.md', and 'testLab'. The 'docker-compose.yml' file is selected.
- Editor:** Displays the 'docker-compose.yml' file with the following content:

```
1 version: '3.8'
2
3 services:
4   go-app:
5     build:
6       context: .
7       dockerfile: Dockerfile
8     image: go-app
9     ports:
10      - "8080:8080"
11     restart: always
12
```
- Terminal:** Shows the output of the 'docker compose up' command. It includes a warning about the 'version' attribute being obsolete, the creation of the 'parcial2ipd\_default' network and 'parcial2ipd-go-app-1' container, and the start of the 'go-app' service. The service logs show GIN debug messages for GET, POST, PUT, and DELETE requests to '/users' and '/users/:id', and a message about listening and serving HTTP on port 8080.
- Output Panel:** Shows the 'docker' service status with a 'Created' state and a '0.2s' duration.