

## **Guía Desarrollo Basado en Plataformas**

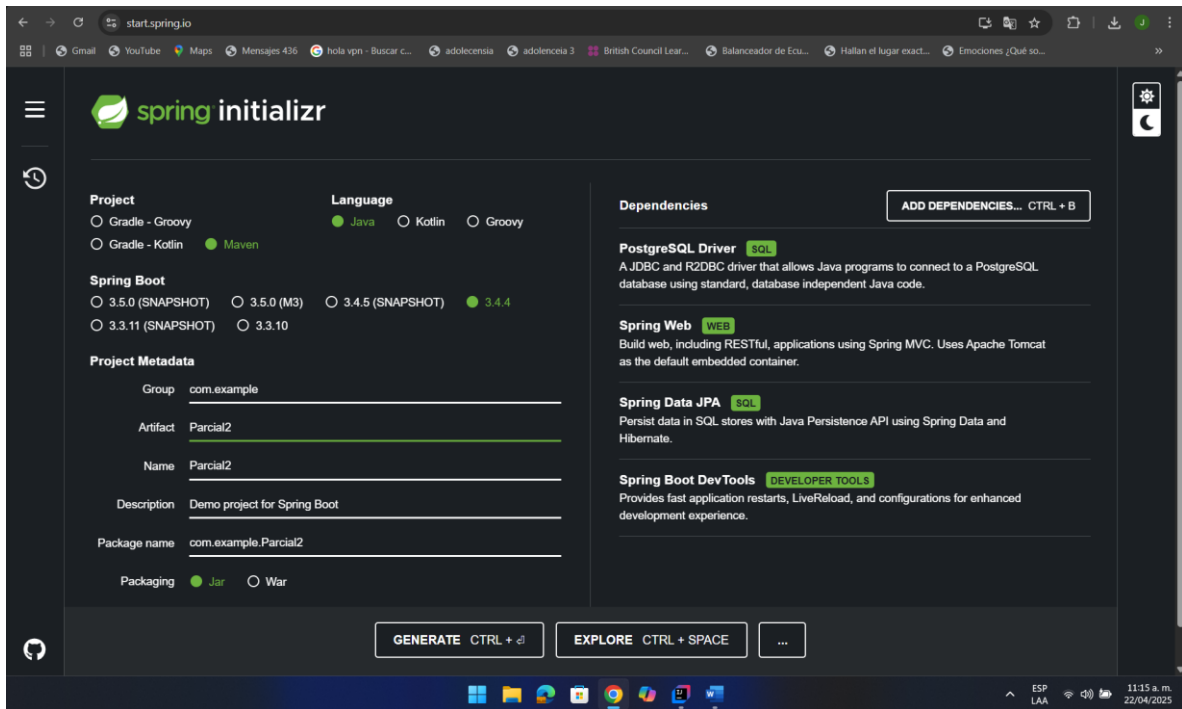
Juan Felipe Tarazona Pita ID:832837

Ingeniería de sistemas, séptimo semestre, Corporación Universitaria Minuto de Dios

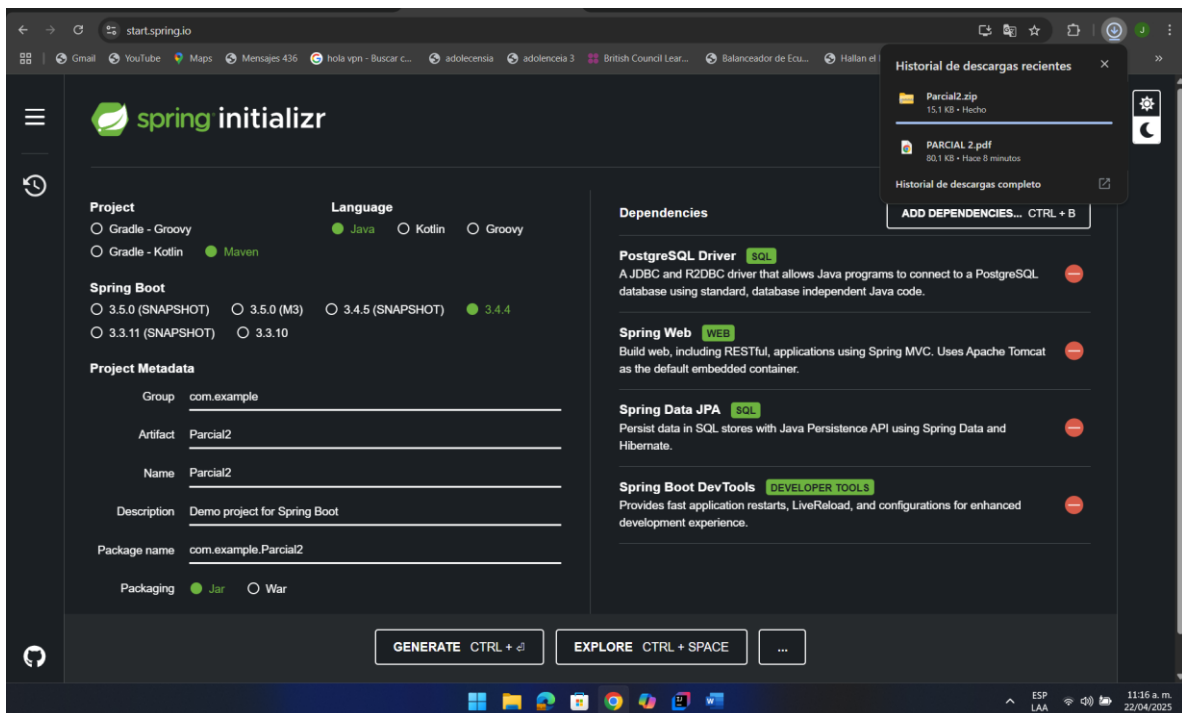
Arquitectura de software/Desarrollo Basado en plataforma

24/04/2025

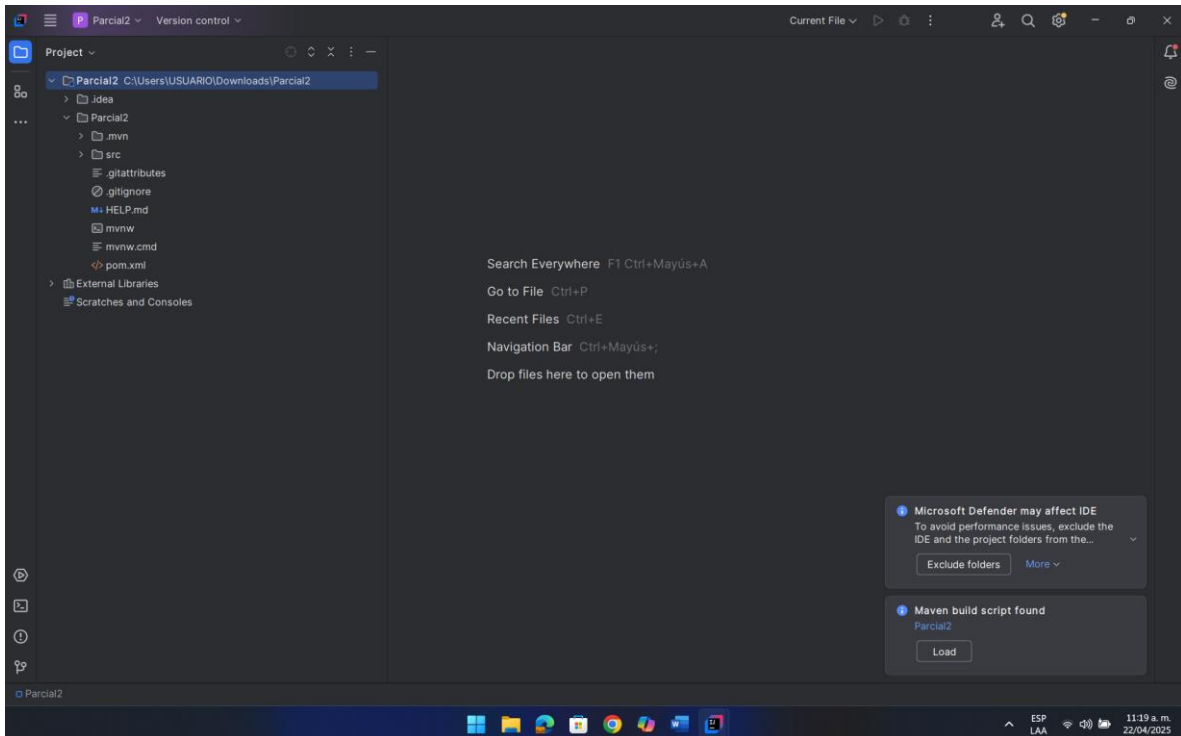
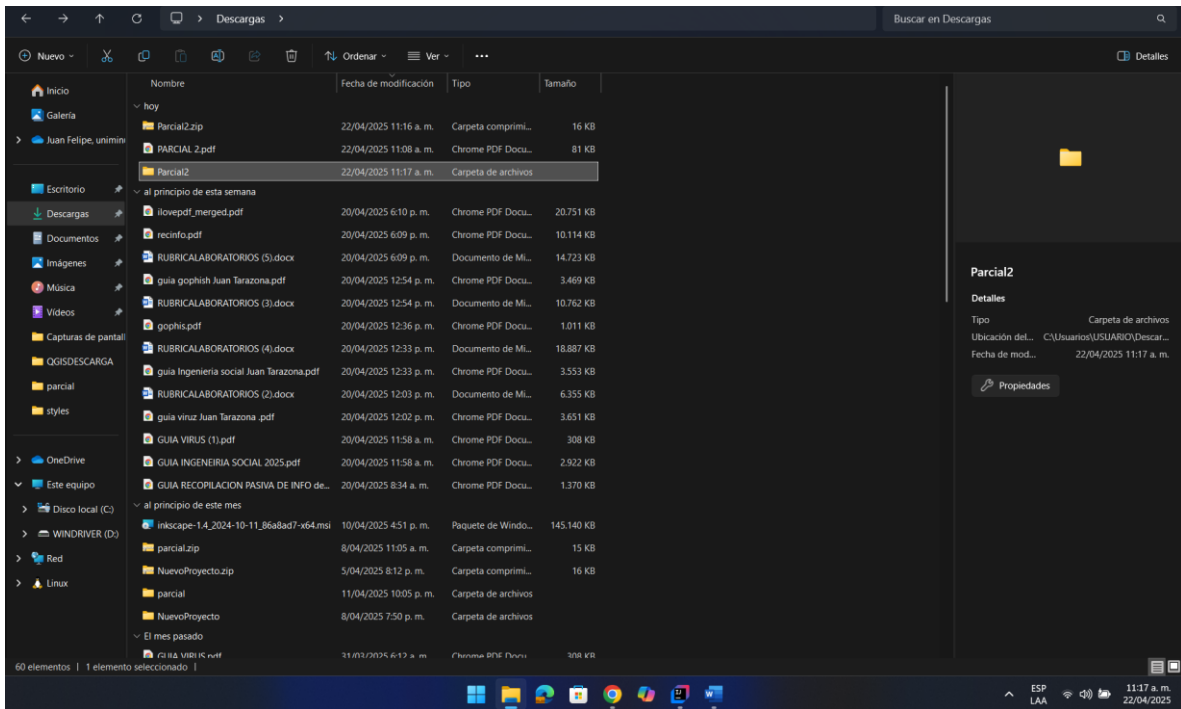
Lo primero que debemos hacer es entrar al spring inicializr donde vamos a



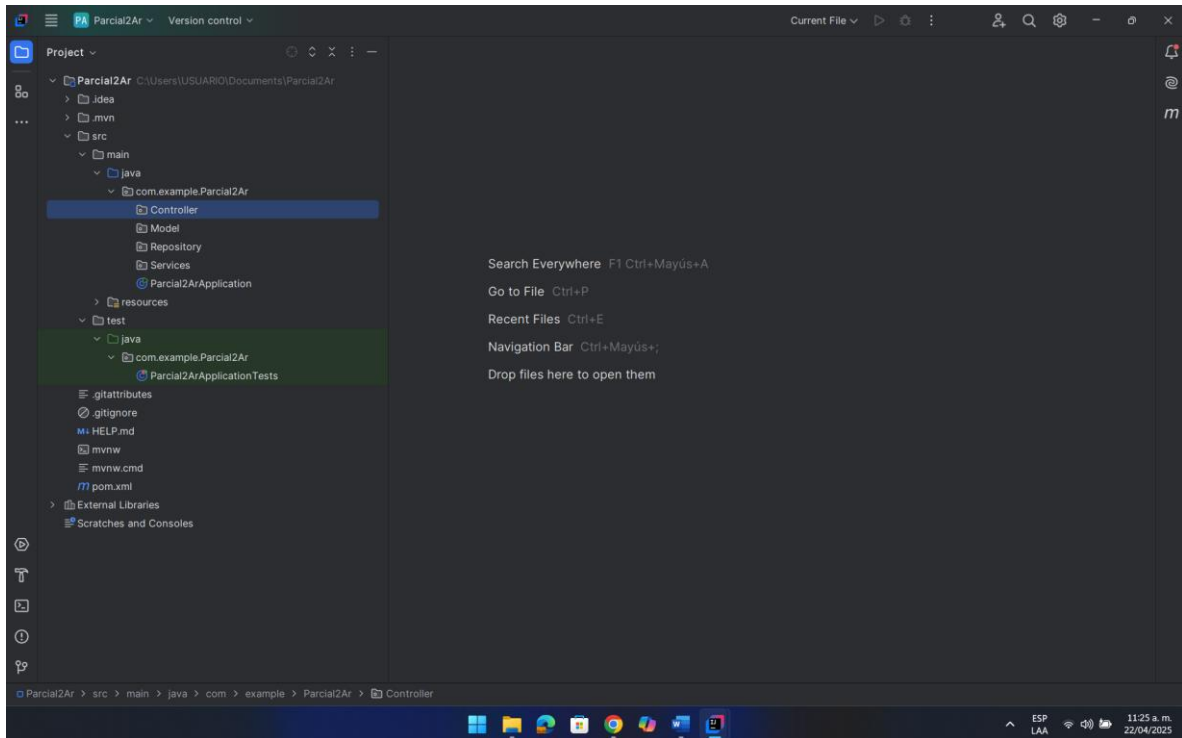
Lo Descargamos



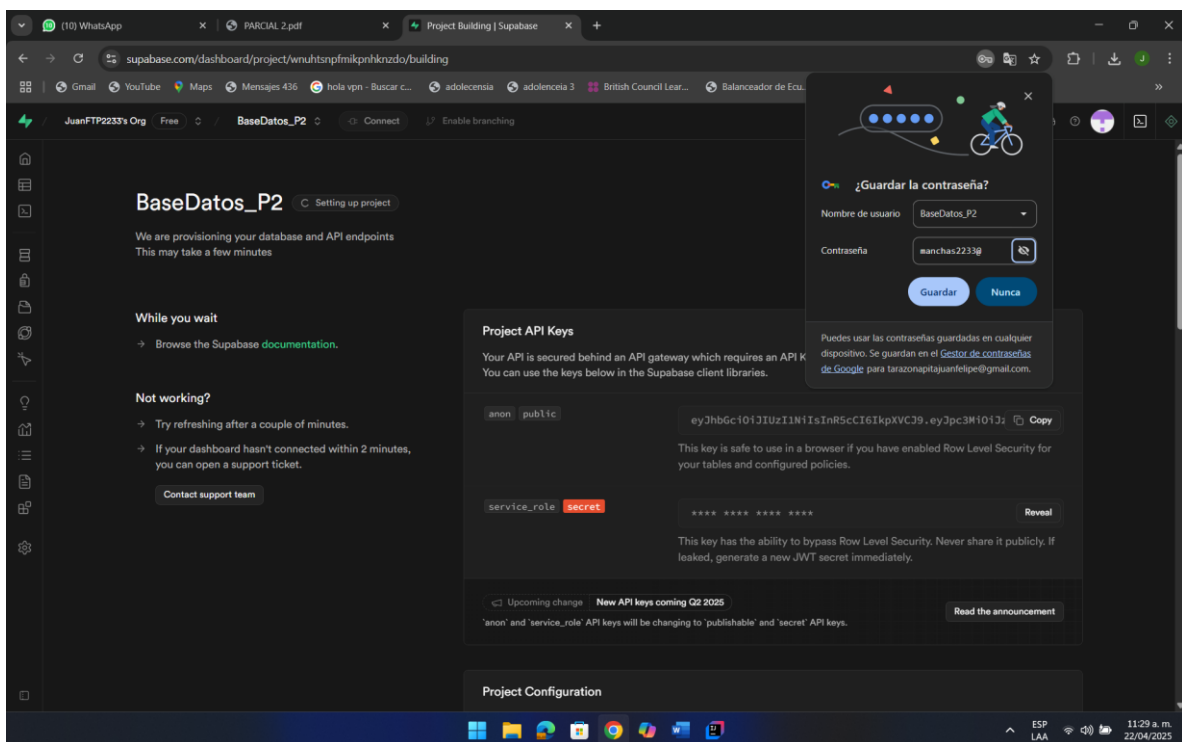
Lo descomprimos y lo abrimos en el intellid



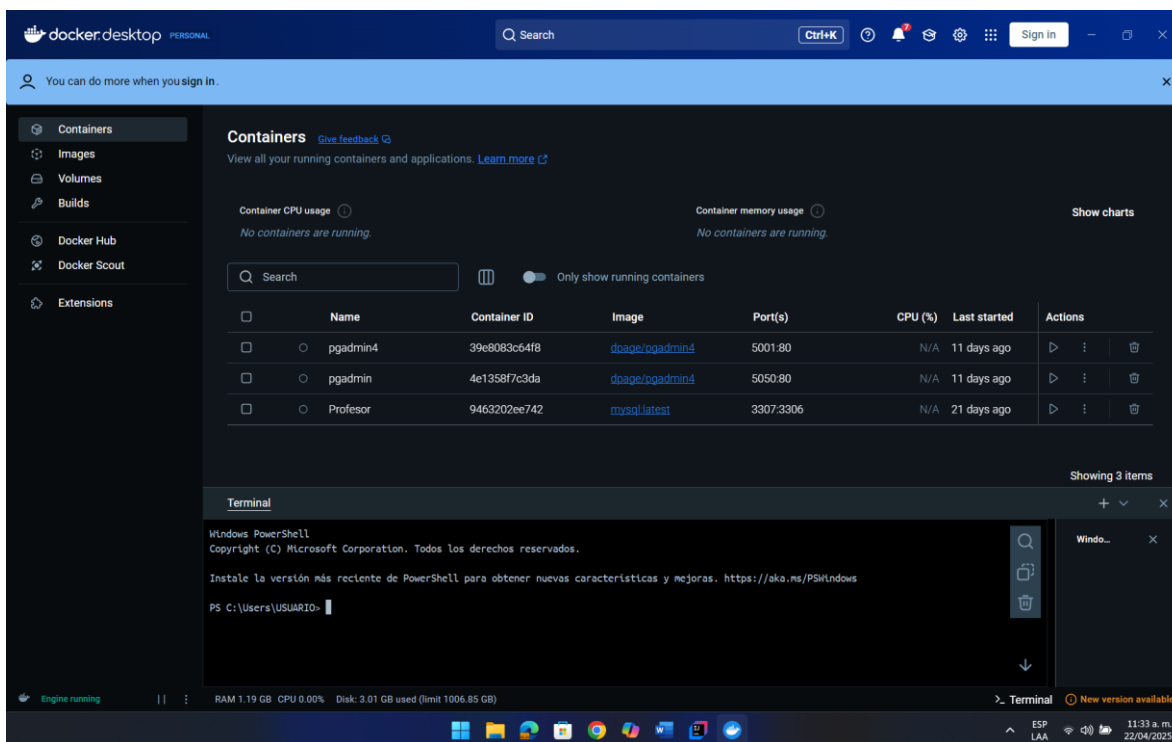
## Creamos los paquetes donde vamos a crear nuestro Model, Controller, Repository y Services



Creamos un nuevo proyecto en SupaBase donde tendremos nuestra base de Datos

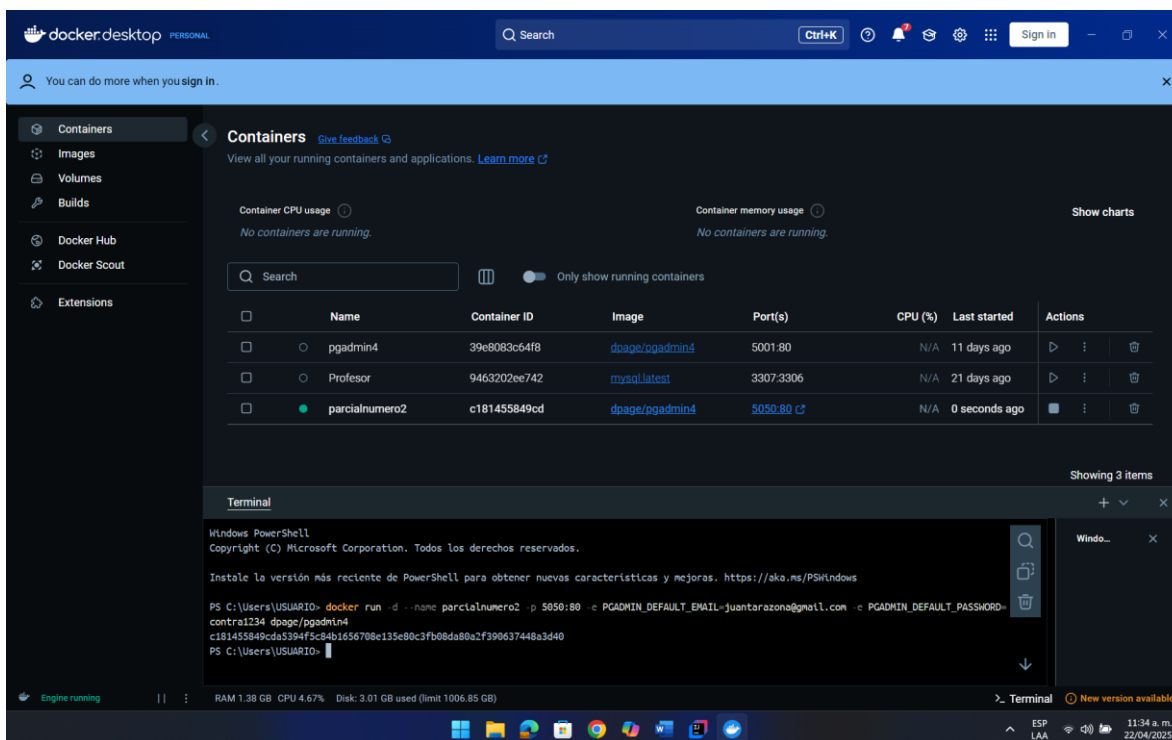


## Abrimos el Docker y creamos un nuevo repositorio



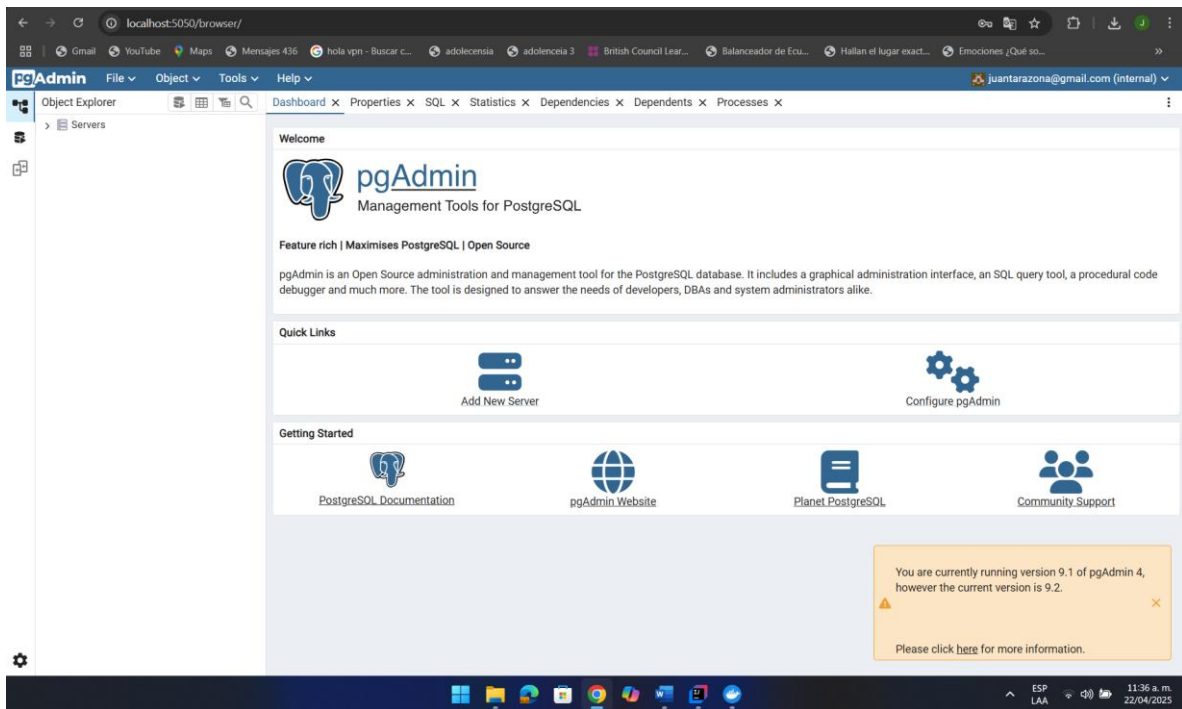
The screenshot shows the Docker Desktop interface. The left sidebar contains navigation options: Containers, Images, Volumes, Builds, Docker Hub, Docker Scout, and Extensions. The main area is titled 'Containers' and displays a message: 'No containers are running.' Below this, there is a search bar and a toggle switch for 'Only show running containers'. A table lists containers, but it is currently empty. At the bottom, a terminal window shows the Windows PowerShell prompt.

	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
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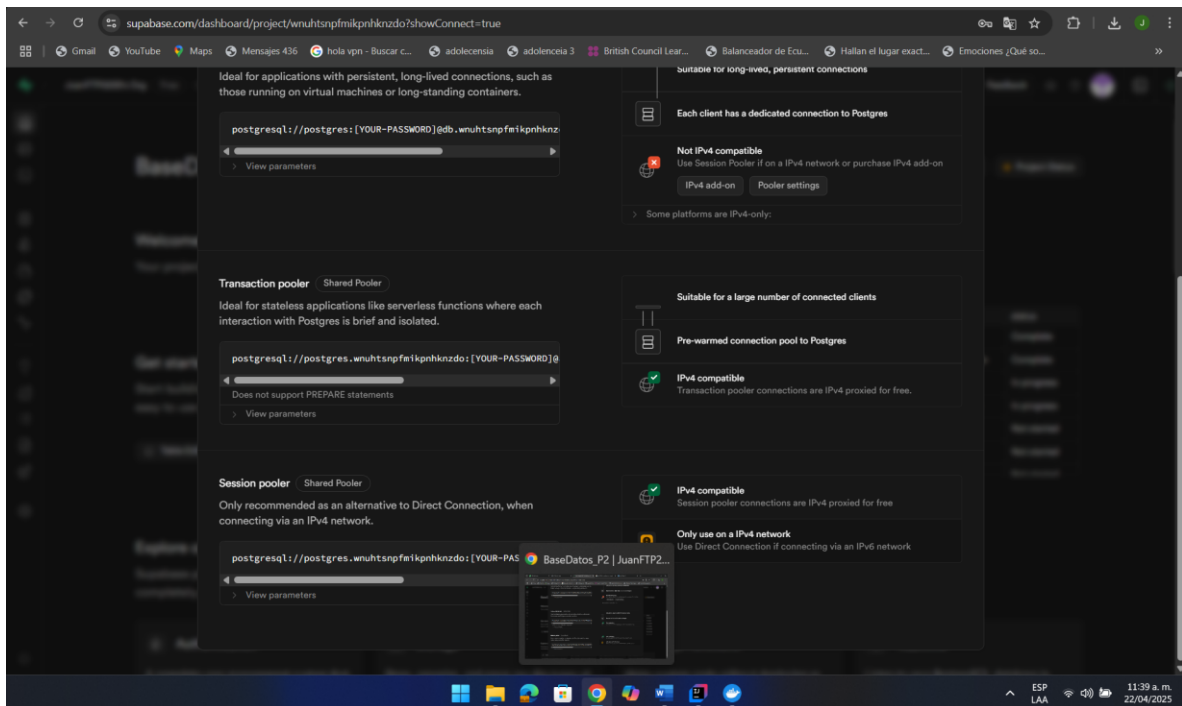


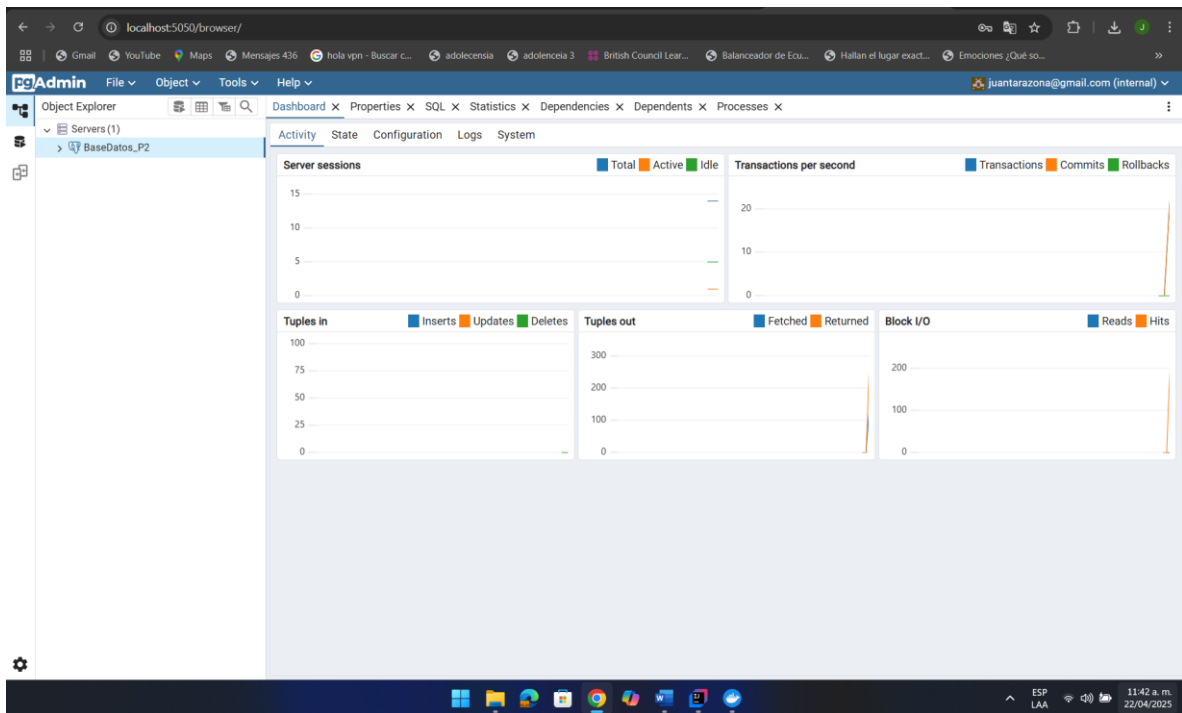
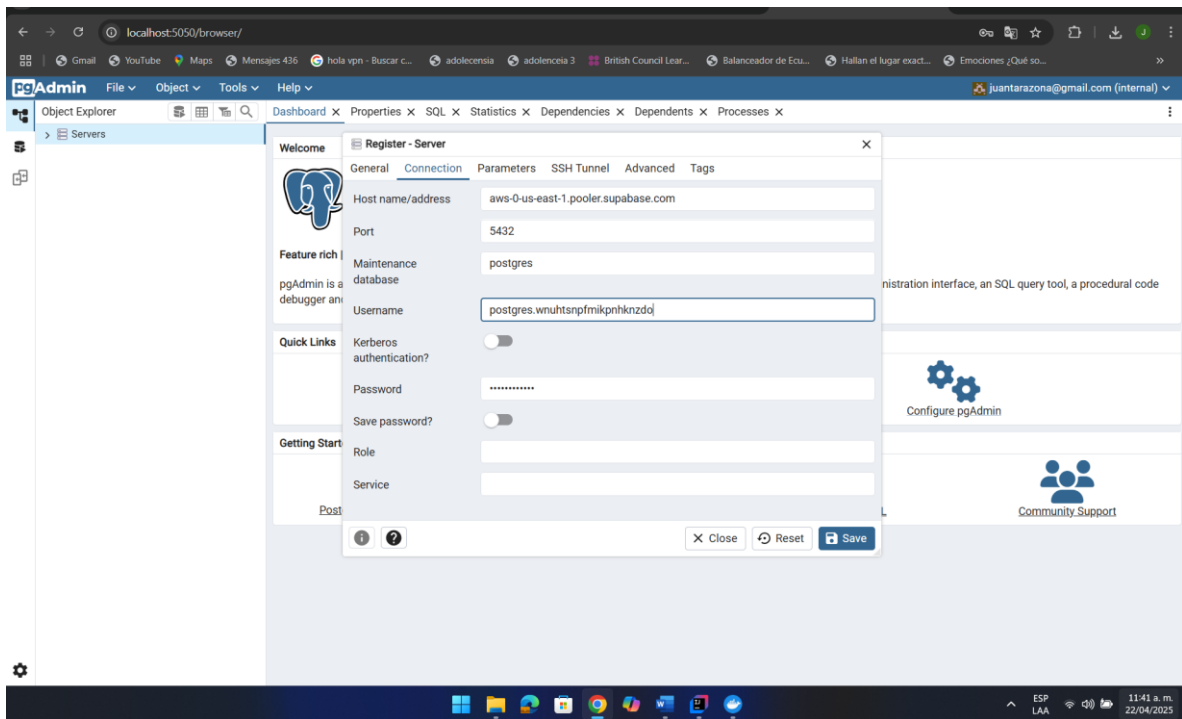
The screenshot shows the Docker Desktop interface after creating a new container. The 'Containers' section now lists three containers: 'pgadmin4', 'Profesor', and 'parcialnumero2'. The 'parcialnumero2' container is highlighted with a green dot, indicating it is running. The terminal window shows the command used to create the container: `docker run -d --name parcialnumero2 -p 5050:80 -e PGADMIN_DEFAULT_EMAIL=juantarazona@gmail.com -e PGADMIN_DEFAULT_PASSWORD=contral234 dpape/pgadmin4`.

	Name	Container ID	Image	Port(s)	CPU (%)	Last started	Actions
<input type="checkbox"/>	pgadmin4	39e8083c64f8	dpape/pgadmin4	5001:80	N/A	11 days ago	<a href="#">▶</a> <a href="#">⋮</a> <a href="#">🗑</a>
<input type="checkbox"/>	Profesor	9463202ee742	mysql:latest	3307:3306	N/A	21 days ago	<a href="#">▶</a> <a href="#">⋮</a> <a href="#">🗑</a>
<input checked="" type="checkbox"/>	parcialnumero2	c181455849cd	dpape/pgadmin4	5050:80	N/A	0 seconds ago	<a href="#">▶</a> <a href="#">⋮</a> <a href="#">🗑</a>

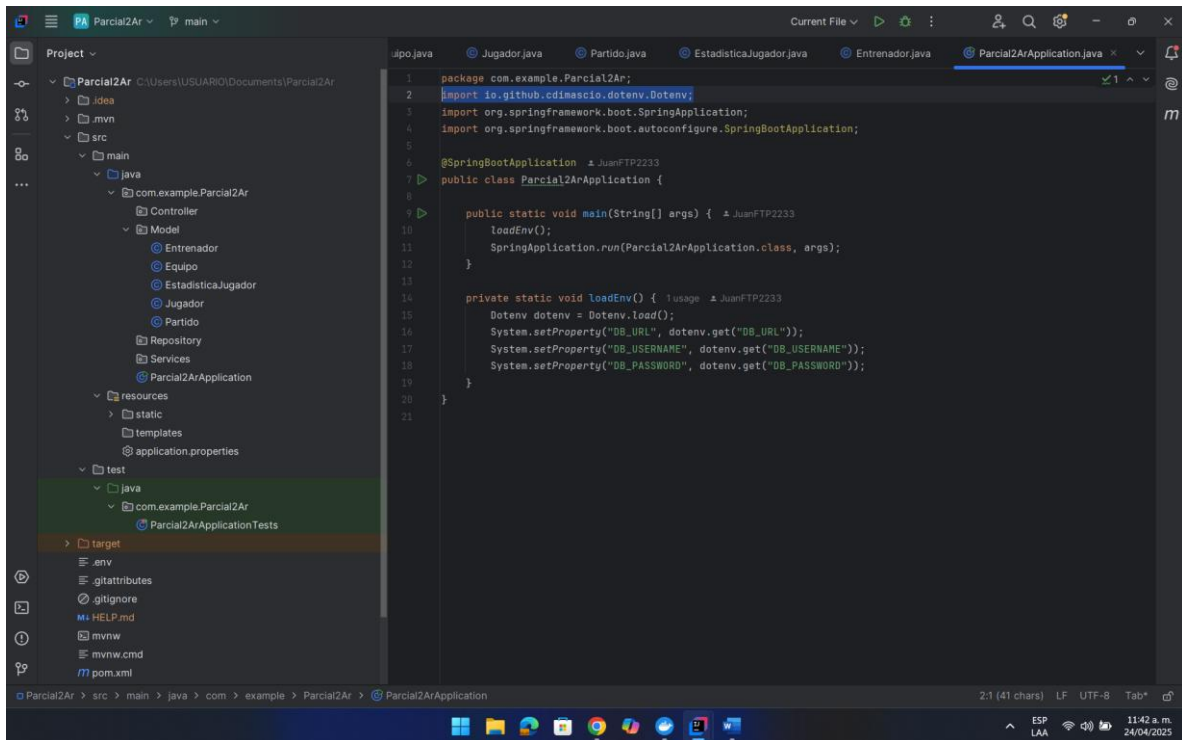


Generamos la conexión entre el pgadmin y nuestra base de Datos

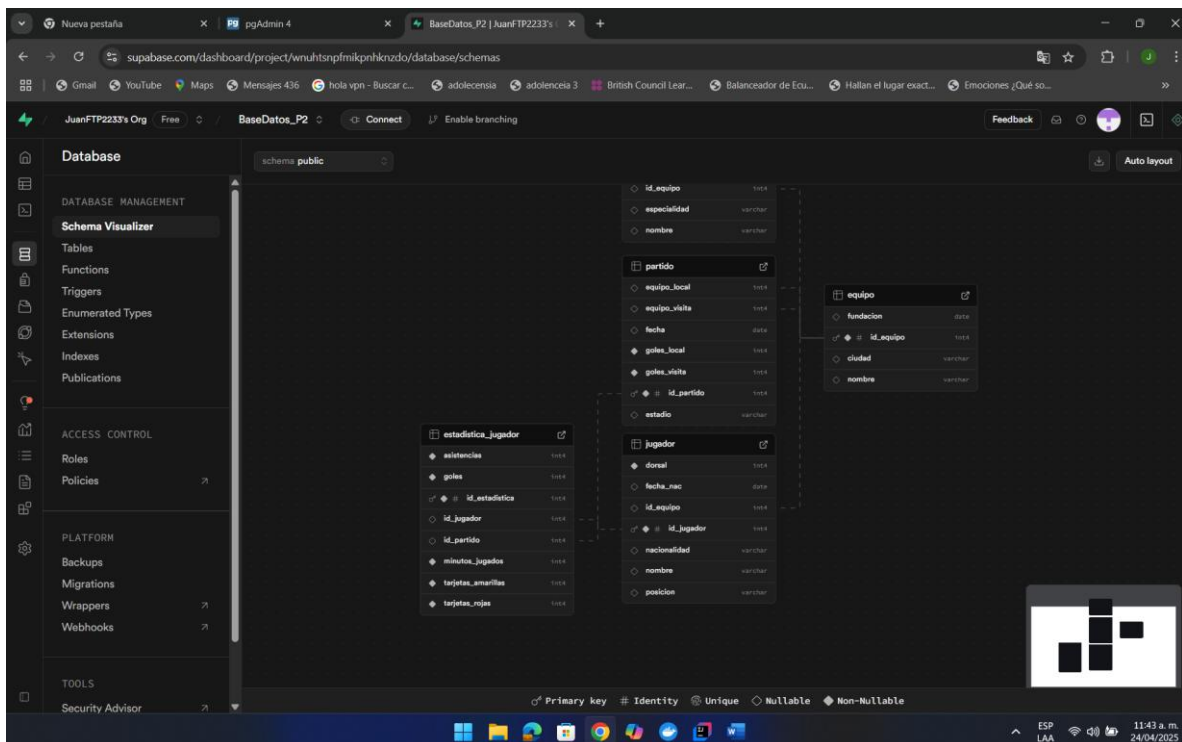




Terminamos de crear y unir con la base de datos, todo lo que son los modelos

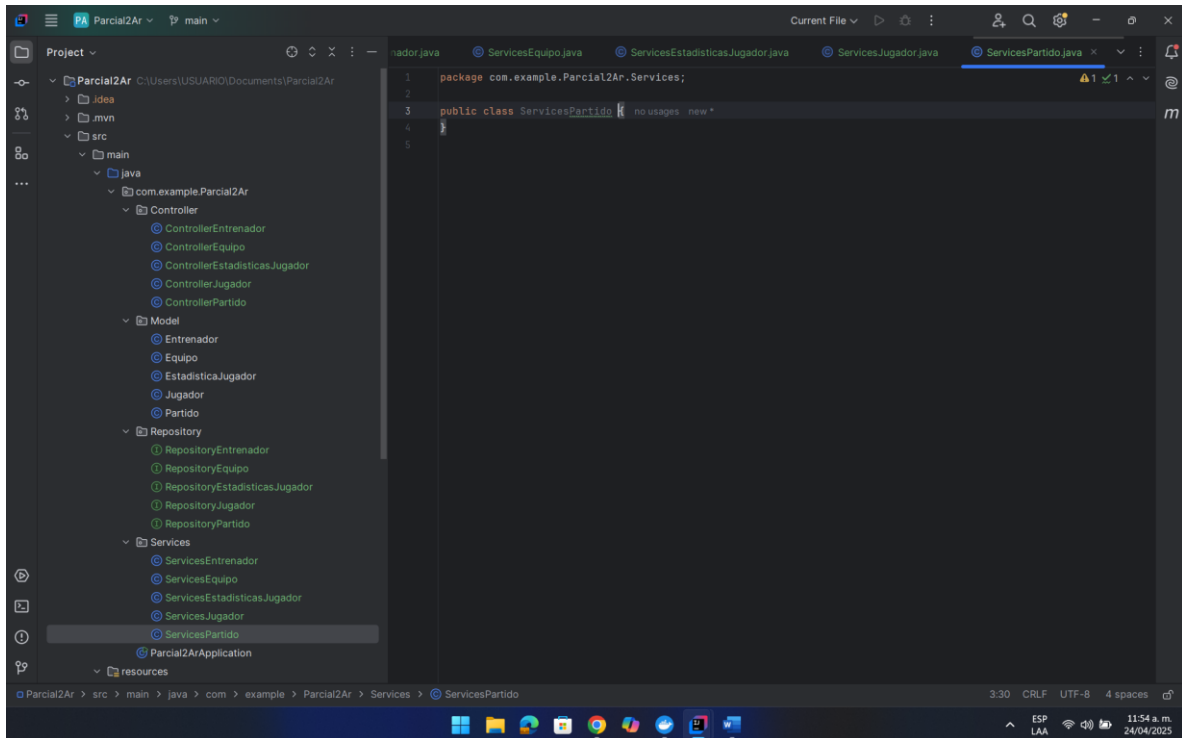


```
1 package com.example.Parcial2Ar;
2 import io.github.cdimascio.dotenv.Dotenv;
3 import org.springframework.boot.SpringApplication;
4 import org.springframework.boot.autoconfigure.SpringBootApplication;
5
6 @SpringBootApplication
7 public class Parcial2ArApplication {
8
9     public static void main(String[] args) {
10         loadEnv();
11         SpringApplication.run(Partial2ArApplication.class, args);
12     }
13
14     private static void loadEnv() {
15         Dotenv dotenv = Dotenv.load();
16         System.setProperty("DB_URL", dotenv.get("DB_URL"));
17         System.setProperty("DB_USERNAME", dotenv.get("DB_USERNAME"));
18         System.setProperty("DB_PASSWORD", dotenv.get("DB_PASSWORD"));
19     }
20 }
21
```

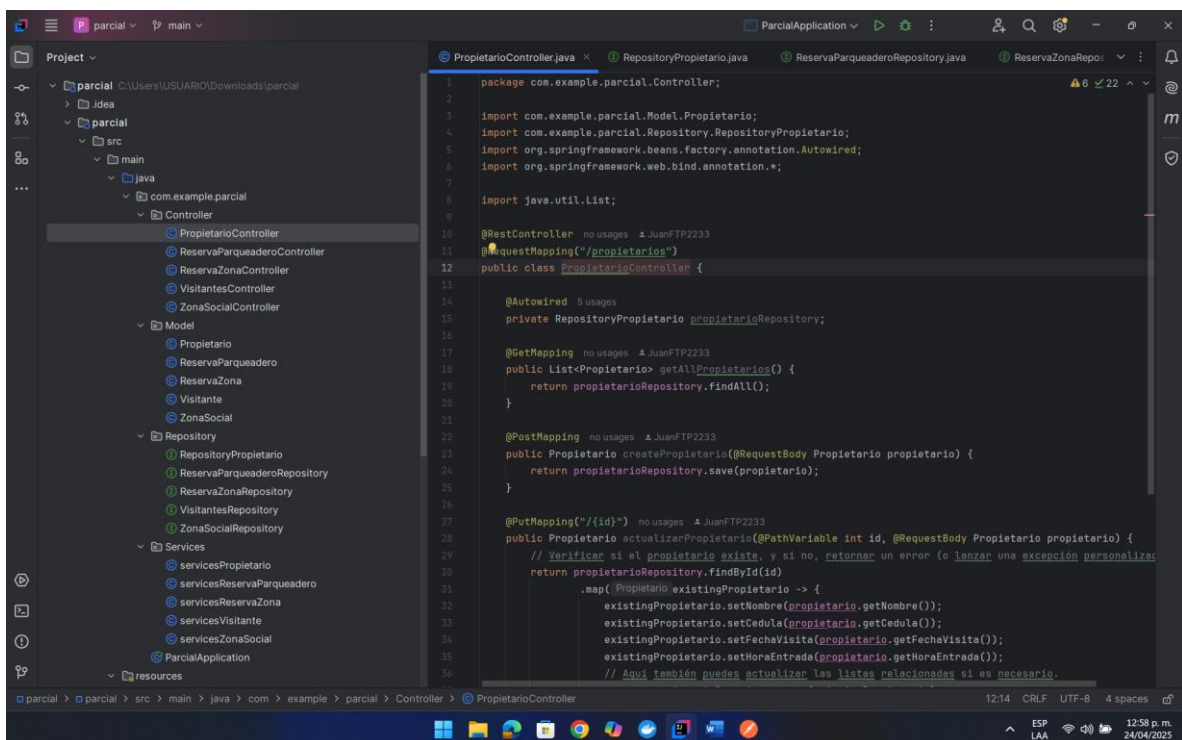


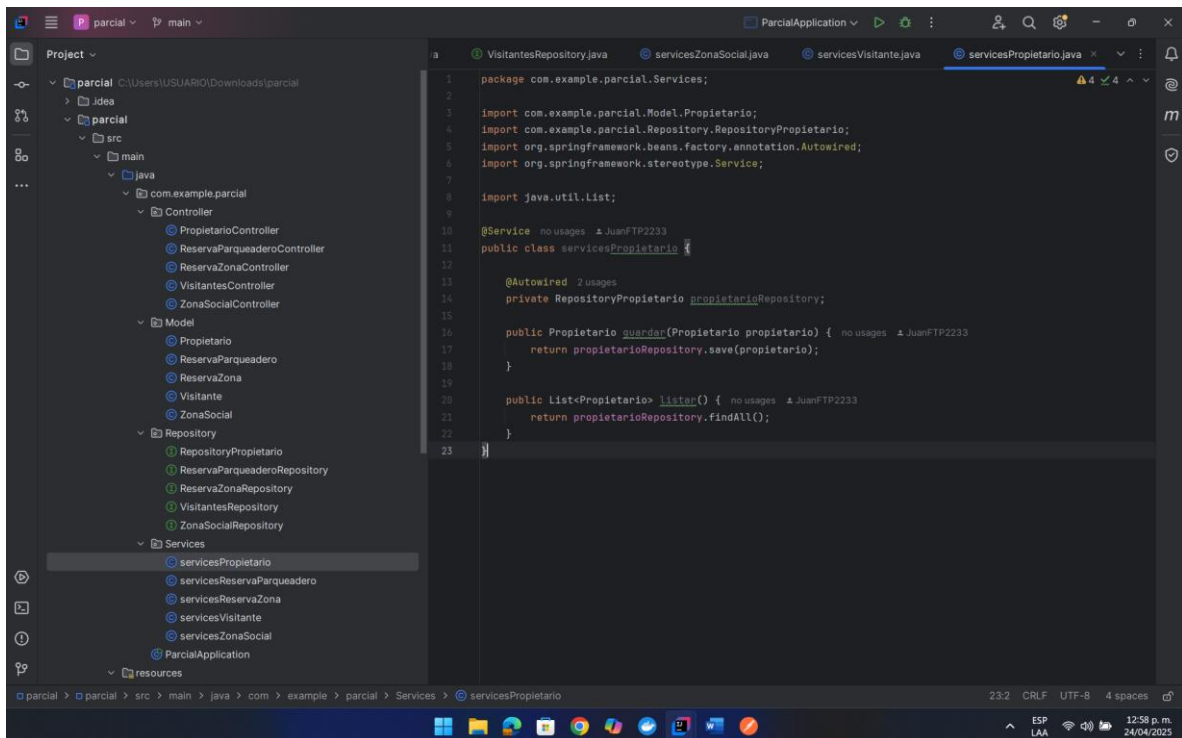
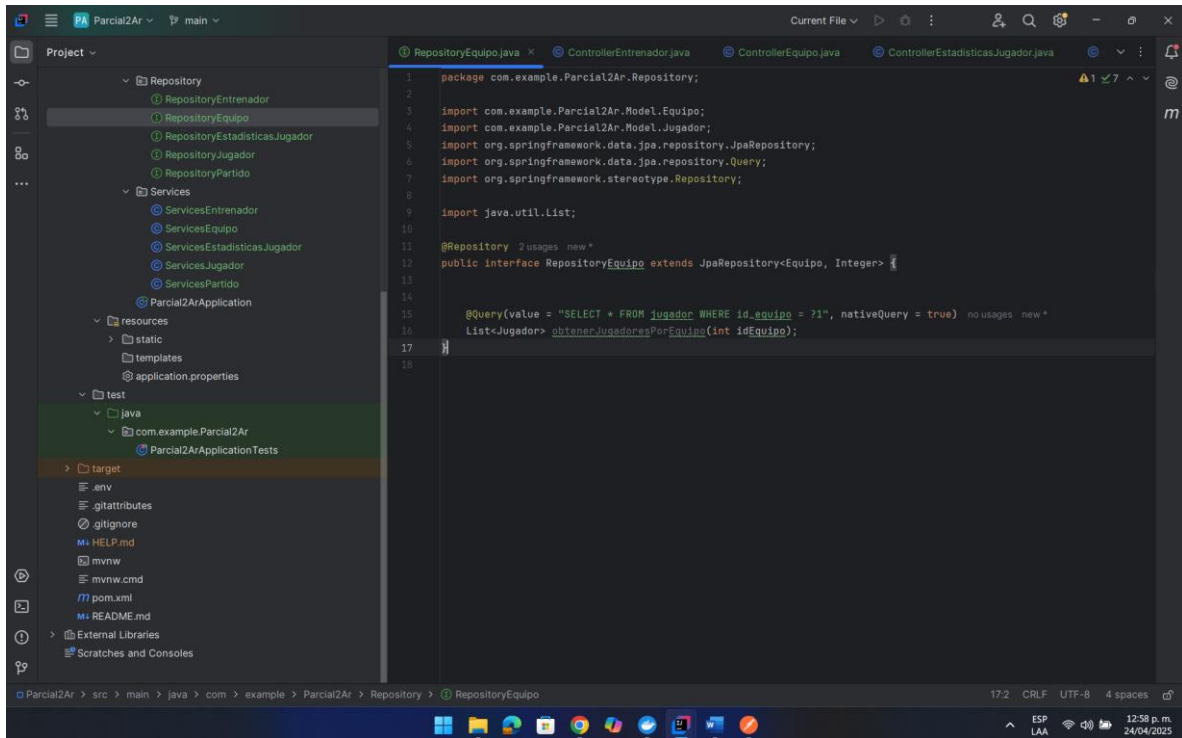


Después debemos empezar a crear lo que son los servicios, repositorios y controladores de nuestra base

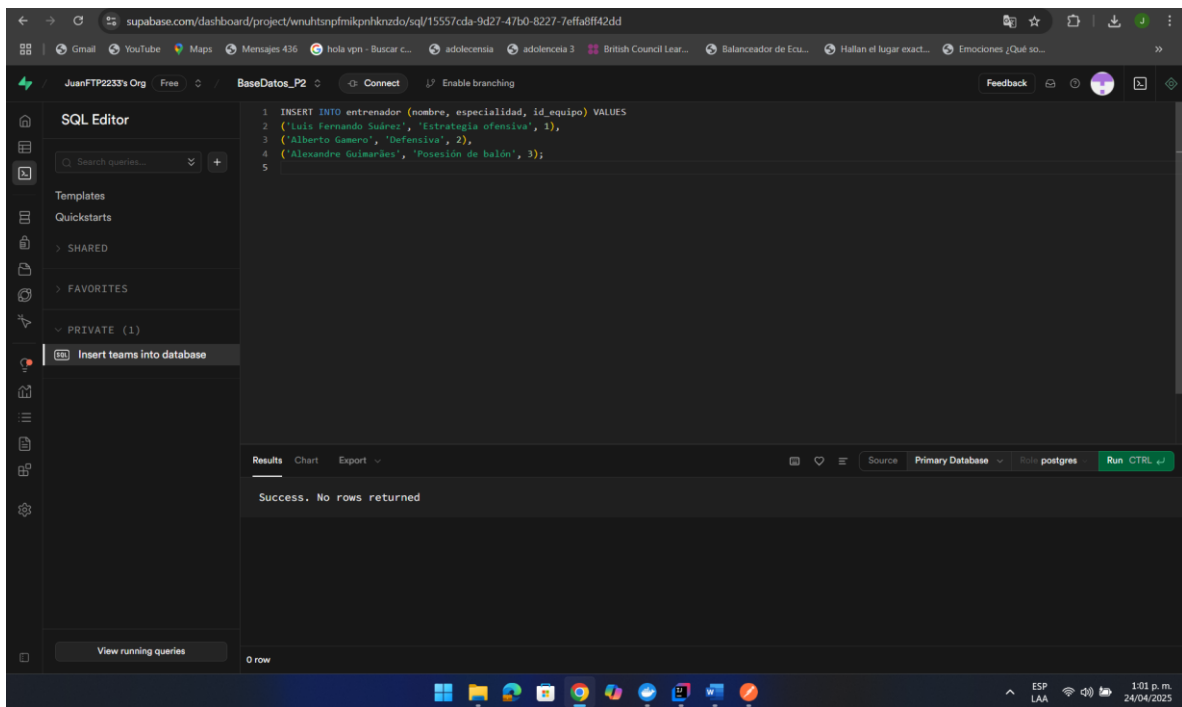


Generamos todos los Controller, Services y Repository





## Ingrsamos Datos en la base



## Hacemos nuestras consultas

