

**Instituto Tecnológico de Estudios Superiores de Monterrey**



**Tecnológico  
de Monterrey**

Desarrollo e implantación de sistemas de software (Gpo 501)

**Profesora:**

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## **Pipeline de desarrollo de proyecto de backend y despliegue**

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Jueves 23 de Mayo de 2024

# Repositorio de Github:

[GRM028/pipelineTS: Desarrollo de proyecto de backend y despliegue \(github.com\)](https://github.com/GRM028/pipelineTS)

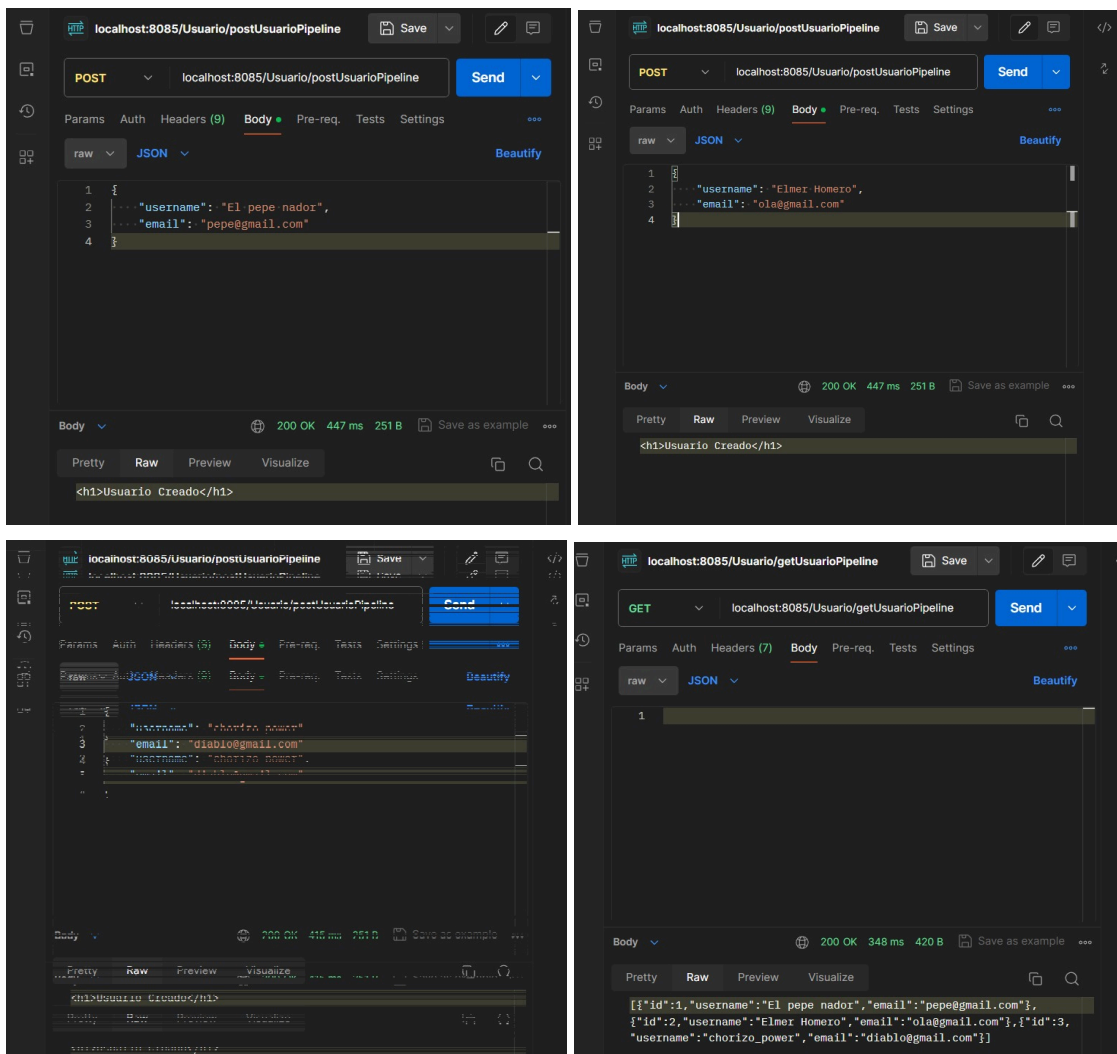
```
PS C:\Users\gerar\OneDrive\Documentos\Tec\6Semestre\parte2\Pipeline> npm run build:start

> pipeline@1.0.0 build:start
> tsc && node -r dotenv/config dist/index.js

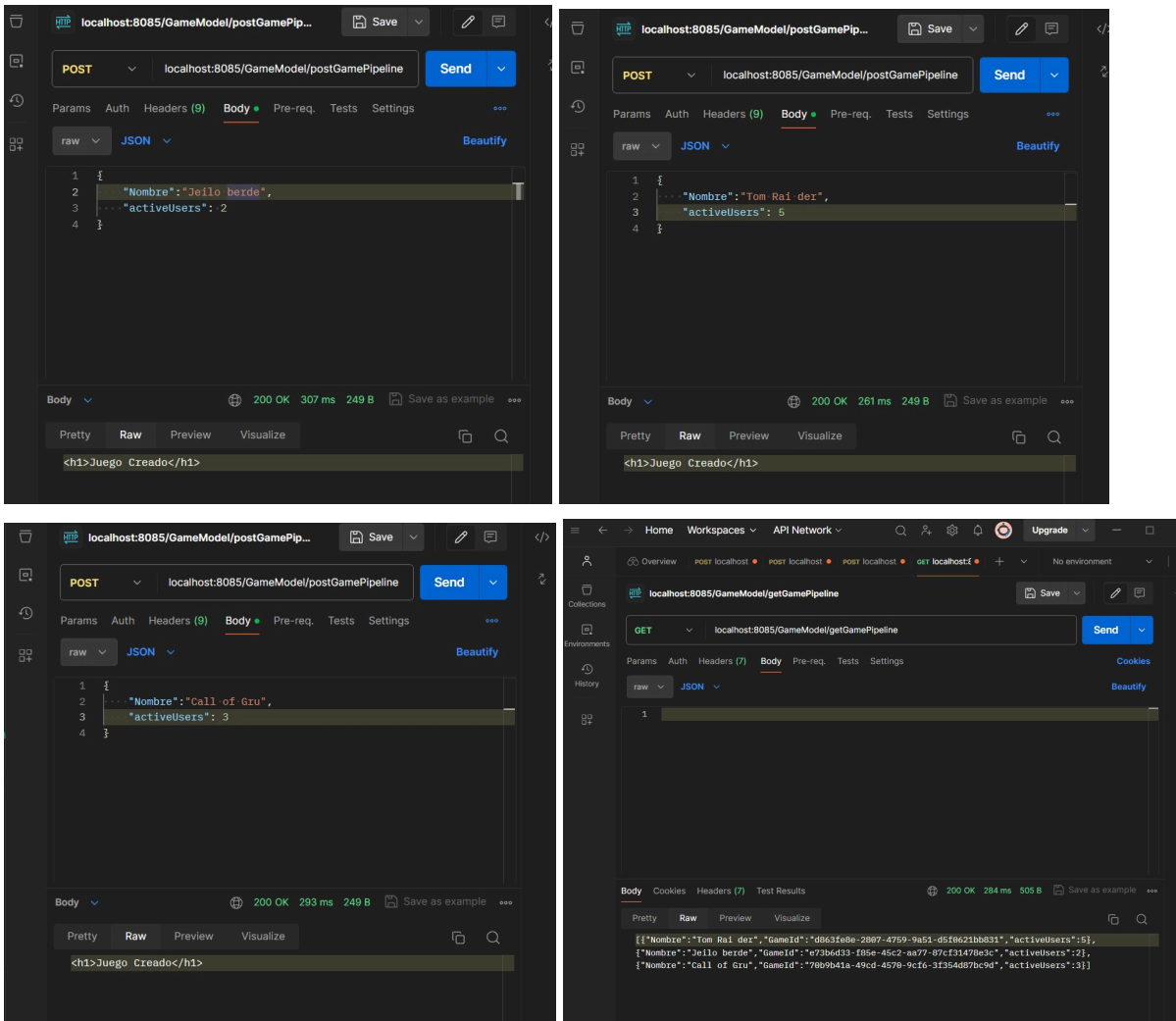
UsuarioModel.js
Usuario
Server running on port 8085
(node:15980) NOTE: The AWS SDK for JavaScript (v2) will enter maintenance mode
on September 8, 2024 and reach end-of-support on September 8, 2025.

Please migrate your code to use AWS SDK for JavaScript (v3).
For more information, check blog post at https://a.co/cUPnyil
(Use 'node --trace-warnings ...' to show where the warning was created)
Executing (default): SELECT TABLE_NAME FROM INFORMATION_SCHEMA.TABLES WHERE TABLE_TYPE = 'BASE TABLE' AND TABLE_NAME = 'Usuario' AND TABLE_SCHEMA = 'pipe
line'
Executing (default): SHOW INDEX FROM `Usuario`
Tables created
1
```

## Capturas de Postman (Tabla de Usuario)



# Capturas de Postman (Tabla de Game)



# Capturas de EC2 y DynamoDB

```
MySQL [(none)]> use pipeline
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
MySQL [(pipeline)]> show tables;
+-----+
| Tables_in_pipeline |
+-----+
| Usuario             |
+-----+
1 row in set (0.003 sec)

MySQL [(pipeline)]> SELECT FROM * Usuario;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'FROM * Us
uario' at line 1
MySQL [(pipeline)]> SELECT * FROM Usuario
-> ;
+-----+-----+-----+
| id | username | email |
+-----+-----+-----+
| 1 | El pepe nador | pepe@gmail.com |
| 2 | Elmer Homero | ola@gmail.com |
| 3 | chorizo_power | diablo@gmail.com |
+-----+-----+-----+
3 rows in set (0.002 sec)

MySQL [(pipeline)]> []
```

```
Please migrate your code to use AWS SDK for JavaScript (v3).
For more information, check blog post at https://a.co/cU9nyil
(Use 'node --trace-warnings ...' to show where the warning was created)
Executing (default): SELECT TABLE_NAME FROM INFORMATION_SCHEMA.TABLES WHERE TABLE_TYPE = 'BASE TABLE' AND TABLE_NAME = 'Usuario' AND TABLE_SCHEMA = 'pipeline'
Executing (default): SHOW INDEX FROM 'Usuario'
Tables created
Consultar Usuarios
Executing (default): SELECT 'id', 'username', 'email' FROM 'Usuario' AS 'Usuario';
{ Nombre: 'game', activeUsers: 5 }
Juego Creado
{ Nombre: 'game', activeUsers: 5 }
Juego Creado
{ username: 'dude', email: 'dude@gmail.com' }
Executing (default): INSERT INTO 'Usuario' ('id','username','email') VALUES (DEFAULT,?,?);
Juego Creado
Consultar Usuarios
Executing (default): SELECT 'id', 'username', 'email' FROM 'Usuario' AS 'Usuario';
{
  Count: 5,
  ScannedCount: 5,
  Items: [ [Model], [Model], [Model], [Model], [Model] ]
}
```

The screenshot shows the AWS Management Console interface for DynamoDB. The left sidebar contains navigation options like 'Panel', 'Tablas', 'Explorar elementos', 'Editor PartiQL', 'Copias de seguridad', 'Exportaciones a S3', 'Importaciones de S3', 'Integraciones', 'Capacidad reservada', 'Configuración', 'DAX', 'Clústeres', 'Grupos de subredes', 'Grupos de parámetros', and 'Eventos'. The main area displays the 'Game-DEV' table with the 'Examen' tab selected. The table has a primary key 'Gameld (Codena)' and a secondary key 'activeUsers'. The table contains 3 items, and the 'activeUsers' attribute is visible. The console shows a message 'Completado. Unidades de capacidad de lectura consumidas: 0.5' and a table of items with columns 'Gameld (Codena)', 'activeUsers', and 'Nombre'.

Gameld (Codena)	activeUsers	Nombre
d863fe8e-2807-4759...	5	Tom Rai der
e73b6d33-f85e-45c2...	2	Jello berde
70b9b41a-49cd-4570...	3	Call of Gru