

## PRACTICA 4 GRAPHQL – COM600 MARTINEZ PARDO NISSE MAXIMILIANO

### DESARROLLO EJERCICIO MESA Y PADRON

#### Consultar todos los padrones con su mesa

The screenshot shows a GraphQL IDE interface with the URL `http://localhost:4000/graphql`. The **Query** tab is active, displaying the following query:

```
1 query {  
2   getPadrones {  
3     id  
4     nombres  
5     apellidos  
6     numero_documento  
7     mesa {  
8       nro_mesa  
9       nombre_escuela  
10    }  
11  }  
12 }
```

The **Body** tab is also active, showing the response in **Pretty** format:

```
1 {  
2   "data": {  
3     "getPadrones": []  
4   }  
5 }
```

The status bar indicates a **200 OK** response with a response time of 55.49 ms.

#### Consultar mesas con sus padrones

The screenshot shows a GraphQL IDE interface with the URL `http://localhost:4000/graphql`. The **Query** tab is active, displaying the following query:

```
1 query {  
2   getMesas {  
3     nro_mesa  
4     nombre_escuela  
5     padrones {  
6       nombres  
7       apellidos  
8     }  
9   }  
10 }
```

The **Body** tab is also active, showing the response in **Pretty** format:

```
1 {  
2   "data": {  
3     "getMesas": []  
4   }  
5 }
```

The status bar indicates a **200 OK** response with a response time of 30.56 ms and a response size of 238 B.

#### Crear una mesa

The screenshot shows a GraphQL IDE interface with the URL `http://localhost:4000/graphql`. The **Query** tab is active, displaying the following mutation:

```
1 mutation {  
2   createMesa(nro_mesa: "2001", nombre_escuela: "Escuela  
3     Técnica") {  
4     id  
5     nro_mesa  
6   }  
7 }
```

The **Body** tab is also active, showing the response in **Pretty** format:

```
1 {  
2   "data": {  
3     "createMesa": {  
4       "id": "1",  
5       "nro_mesa": "2001"  
6     }  
7   }  
8 }
```

The status bar indicates a **200 OK** response with a response time of 69.65 ms and a response size of 266 B.

#### Crear un padron

## PRACTICA 4 GRAPHQL – COM600 MARTINEZ PARDO NISSE MAXIMILIANO

The screenshot shows a GraphQL Playground interface with the URL `http://localhost:4000/graphql`. The query tab is active, displaying a mutation query to create a padron. The query is as follows:

```
1 mutation {
2   createPadron(
3     nombres: "Tu nombre"
4     apellidos: "Tu apellido"
5     numero_documento: "87654321"
6     fotografia: "foto.png"
7     mesaId: 1
8   ) {
9     id
10    nombres
11    mesa {
12      nro_mesa
13    }
14  }
15 }
```

The response tab shows the result in Pretty format, indicating a successful 200 OK status with a response time of 67.81 ms and a body size of 299 B. The JSON response is:

```
1 {
2   "data": {
3     "createPadron": {
4       "id": "1",
5       "nombres": "Tu nombre",
6       "mesa": {
7         "nro_mesa": "2001"
8       }
9     }
10  }
11 }
```

## DESARROLLO EJERCICIO DE BIBLIOTECA

### Crear un libro nuevo

The screenshot shows a GraphQL Playground interface with the URL `http://localhost:3000/graphql`. The query tab is active, displaying a mutation query to create a new book. The query is as follows:

```
1 mutation {
2   createLibro(
3     titulo: "Cien Años de Soledad"
4     autor: "Gabriel García Márquez"
5     isbn: "9780307474728"
6     anio_publicacion: 1967
7   ) {
8     id
9     titulo
10    autor
11    isbn
12    anio_publicacion
13  }
14 }
```

The response tab shows the result in Pretty format, indicating a successful 200 OK status with a response time of 90.04 ms and a body size of 365 B. The JSON response is:

```
1 {
2   "data": {
3     "createLibro": {
4       "id": "1",
5       "titulo": "Cien Años de Soledad",
6       "autor": "Gabriel García Márquez",
7       "isbn": "9780307474728",
8       "anio_publicacion": 1967
9     }
10  }
11 }
```

### Crear un préstamo con los siguientes datos

The screenshot shows a GraphQL Playground interface with the URL `http://localhost:3000/graphql`. The query tab is active, displaying a mutation query to create a loan. The query is as follows:

```
1 mutation {
2   createPrestamo(
3     usuario: "María López"
4     fecha_prestamo: "2025-09-04"
5     fecha_devolucion: "2025-09-20"
6     libroId: 1
7   ) {
8     id
9     usuario
10    fecha_prestamo
11    fecha_devolucion
12    libro {
13      id
14      titulo
15    }
16  }
17 }
```

The response tab shows the result in Pretty format, indicating a successful 200 OK status with a response time of 68.56 ms and a body size of 393 B. The JSON response is:

```
1 {
2   "data": {
3     "createPrestamo": {
4       "id": "1",
5       "usuario": "María López",
6       "fecha_prestamo": "2025-09-04",
7       "fecha_devolucion": "2025-09-20",
8       "libro": {
9         "id": "1",
10        "titulo": "Cien Años de Soledad"
11      }
12    }
13  }
14 }
```

## PRACTICA 4 GRAPHQL – COM600 MARTINEZ PARDO NISSE MAXIMILIANO

Listar todos los préstamos con el libro correspondiente.

The screenshot shows the GraphQL IDE interface. The URL bar indicates the endpoint is `http://localhost:3000/graphql`. The 'Query' tab is active, displaying the following query:

```
1 query {  
2   getPrestamos {  
3     id  
4     usuario  
5     fecha_prestamo  
6     fecha_devolucion  
7     libro {  
8       id  
9       titulo  
10      autor  
11      isbn  
12      anio_publicacion  
13    }  
14  }  
15 }
```

The 'Body' tab shows the response in 'Pretty' format, which is a JSON object:

```
1 {  
2   "data": {  
3     "getPrestamos": [  
4       {  
5         "id": "1",  
6         "usuario": "María López",  
7         "fecha_prestamo": "1756958400000",  
8         "fecha_devolucion": "1758340800000",  
9         "libro": {  
10          "id": "1",  
11          "titulo": "Cien Años de Soledad",  
12          "autor": "Gabriel García Márquez",  
13          "isbn": "9780307474728",  
14          "anio_publicacion": 1967  
15        }  
16      }  
17    ]  
18  }  
19 }
```

The status bar at the top right indicates a 200 OK response, a response time of 16.39 ms, and a body size of 482 B.

Listar todos los libros junto con el historial de préstamos realizados

The screenshot shows the GraphQL IDE interface. The URL bar indicates the endpoint is `http://localhost:3000/graphql`. The 'Query' tab is active, displaying the following query:

```
1 query {  
2   getLibros {  
3     id  
4     titulo  
5     autor  
6     isbn  
7     anio_publicacion  
8     prestamos {  
9       id  
10      usuario  
11      fecha_prestamo  
12      fecha_devolucion  
13    }  
14  }  
15 }
```

The 'Body' tab shows the response in 'Pretty' format, which is a JSON object:

```
1 {  
2   "data": {  
3     "getLibros": [  
4       {  
5         "id": "1",  
6         "titulo": "Cien Años de Soledad",  
7         "autor": "Gabriel García Márquez",  
8         "isbn": "9780307474728",  
9         "anio_publicacion": 1967,  
10        "prestamos": [  
11          {  
12            "id": "1",  
13            "usuario": "María López",  
14            "fecha_prestamo": "1756958400000",  
15            "fecha_devolucion": "1758340800000"  
16          }  
17        ]  
18      }  
19    ]  
20  }  
21 }
```

The status bar at the top right indicates a 200 OK response, a response time of 11.82 ms, and a body size of 485 B.

Crea una consulta que devuelva los préstamos filtrados por nombre de usuario.

## PRACTICA 4 GRAPHQL – COM600 MARTINEZ PARDO NISSE MAXIMILIANO

http://localhost:3000/graphql

Query Authorization Headers Schema Scripts

```
1 query {
2   getPrestamosByUsuario(usuario: "María López") {
3     id
4     usuario
5     fecha_prestamo
6     fecha_devolucion
7     libro {
8       id
9       titulo
10      autor
11    }
12  }
13 }
```

Body Headers Test Results 200 OK • 49.58 ms • 443

Pretty Table

```
1 {
2   "data": {
3     "getPrestamosByUsuario": [
4       {
5         "id": "1",
6         "usuario": "María López",
7         "fecha_prestamo": "1756958400000",
8         "fecha_devolucion": "1758340800000",
9         "libro": {
10          "id": "1",
11          "titulo": "Cien Años de Soledad",
12          "autor": "Gabriel García Márquez"
13        }
14      }
15    ]
16  }
17 }
```