Consultas MongoDB

a. Consultas Básicas

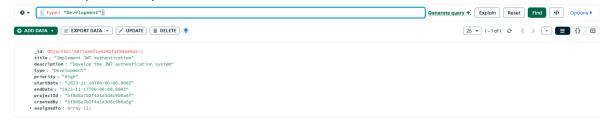- ### Todas las tareas
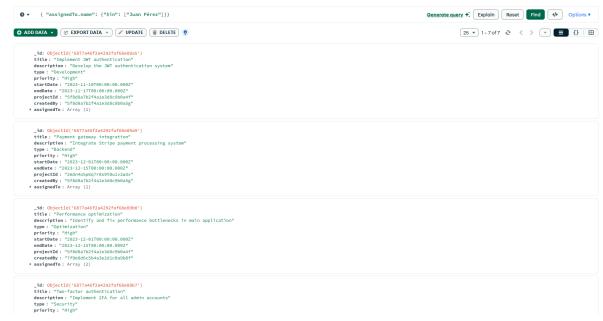


```
34 Documents in the collection

Preview of documents

_id: ObjectId('6877a46f2a4292faf68e89a5')          _id: ObjectId('6877a46f2a4292faf68e89a6')          _id: ObjectId('6877a46f2a4292faf68e89a7')          _id: ObjectId('6877a46f2a4292faf68e89a8')
title : "Implement JWT authentication"              title : "Database schema redesign"                 title : "Frontend responsive redesign"             title : "API documentation update"
description : "Develop the JWT                       description : "Optimize database structure         description : "Make website fully responsive       description : "Update all API documentation
             authentication system"                              for better performance"                        for mobile devices"                            for version 2.0"
type : "Development"                                 type : "Database"                                  type : "Frontend"                                  type : "Documentation"
priority : "High"                                   priority : "Critical"                              priority : "High"                                  priority : "Medium"
startDate : "2023-11-10T00:00:00.000Z"              startDate : "2023-11-15T00:00:00.000Z"             startDate : "2023-11-20T00:00:00.000Z"             startDate : "2023-11-25T00:00:00.000Z"
endDate : "2023-11-17T00:00:00.000Z"                endDate : "2023-11-30T00:00:00.000Z"               endDate : "2023-12-05T00:00:00.000Z"               endDate : "2023-12-01T00:00:00.000Z"
```

- ### Tareas con prioridad "High"


```
{ priority: "High"}                                                    Generate query +   Explain   Reset   Find   </>   Options ▶

ADD DATA ▼    EXPORT DATA ▼    UPDATE    DELETE  ?                                          25 ▼   1 - 11 of 11

    startDate : "2024-01-18T00:00:00.000Z"
    endDate : "2024-01-24T00:00:00.000Z"
    projectId : "9a8b7c6d5e4f3g2h1i0j9k8l"
    createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
  ▶ assignedTo : Array (2)

    _id: ObjectId('6877a46f2a4292faf68e89b8')
    title : "Inventory management module"
    description : "Develop new inventory tracking features"
    type : "Feature Development"
    priority : "High"
    startDate : "2024-01-15T00:00:00.000Z"
    endDate : "2024-02-05T00:00:00.000Z"
    projectId : "2m3n4o5p6q7r8s9t0u1v2w3x"
    createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"
  ▶ assignedTo : Array (2)

    _id: ObjectId('6877a46f2a4292faf68e89bd')
    title : "Search functionality upgrade"
    description : "Implement Elasticsearch for improved product search"
    type : "Feature Development"
    priority : "High"
    startDate : "2024-02-15T00:00:00.000Z"
    endDate : "2024-03-07T00:00:00.000Z"
    projectId : "2m3n4o5p6q7r8s9t0u1v2w3x"
    createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
  ▶ assignedTo : Array (1)

    _id: ObjectId('6877a46f2a4292faf68e89c5')
    title : "Error logging system"
    description : "Implement centralized error tracking with Sentry"
    type : "Monitoring"
    priority : "High"
    startDate : "2024-03-15T00:00:00.000Z"
    endDate : "2024-03-22T00:00:00.000Z"
    projectId : "6e9c8b7a1f3b2e4d7a8c0b5d"
    createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
  ▶ assignedTo : Array (1)
```

- ### Tareas del tipo "Development"


```
{ type: "Development"}                                                 Generate query +   Explain   Reset   Find   </>   Options ▶

ADD DATA ▼    EXPORT DATA ▼    UPDATE    DELETE  ?                                          25 ▼   1 - 1 of 1

    _id: ObjectId('6877a46f2a4292faf68e89a5')
    title : "Implement JWT authentication"
    description : "Develop the JWT authentication system"
    type : "Development"
    priority : "High"
    startDate : "2023-11-10T00:00:00.000Z"
    endDate : "2023-11-17T00:00:00.000Z"
    projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
    createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
  ▶ assignedTo : Array (1)
```

- Tareas asignadas a Juan Pérez

`{ "assignedTo.name": {"$in": ["Juan Pérez"]}}`

Generate query + | Explain | Reset | Find | </> | Options ▶

⊕ ADD DATA ▼ | ⤢ EXPORT DATA | ✎ UPDATE | 🗑 DELETE | ？

25 ▼ | 1–7 of 7 | ⟳ | ‹ › | ▼ | ☰ {} ⊞

_id: ObjectId('6877a46f2a4292faf68e89a5')
title : "Implement JWT authentication"
description : "Develop the JWT authentication system"
type : "Development"
priority : "High"
startDate : "2023-11-10T00:00:00.000Z"
endDate : "2023-11-17T00:00:00.000Z"
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▶ assignedTo : Array (1)

_id: ObjectId('6877a46f2a4292faf68e89a9')
title : "Payment gateway integration"
description : "Integrate Stripe payment processing system"
type : "Backend"
priority : "High"
startDate : "2023-12-01T00:00:00.000Z"
endDate : "2023-12-15T00:00:00.000Z"
projectId : "2m3n4o5p6q7r8s9t0u1v2w3x"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▶ assignedTo : Array (1)

_id: ObjectId('6877a46f2a4292faf68e89b0')
title : "Performance optimization"
description : "Identify and fix performance bottlenecks in main application"
type : "Optimization"
priority : "High"
startDate : "2023-12-01T00:00:00.000Z"
endDate : "2023-12-15T00:00:00.000Z"
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"
▶ assignedTo : Array (2)

_id: ObjectId('6877a46f2a4292faf68e89b7')
title : "Two-factor authentication"
description : "Implement 2FA for all admin accounts"
type : "Security"
priority : "High"

- Tareas creadas por "5f8d8a7b2f4a1e3d8c9b0a5g"

`{ createdBy: "5f8d8a7b2f4a1e3d8c9b0a5g"}`

Generate query + | Explain | Reset | Find | </> | Options ▶

⊕ ADD DATA ▼ | ⤢ EXPORT DATA | ✎ UPDATE | 🗑 DELETE | ？

25 ▼ | 1–17 of 17 | ⟳ | ‹ › | ▼ | ☰ {} ⊞

_id: ObjectId('6877a46f2a4292faf68e89a5')
title : "Implement JWT authentication"
description : "Develop the JWT authentication system"
type : "Development"
priority : "High"
startDate : "2023-11-10T00:00:00.000Z"
endDate : "2023-11-17T00:00:00.000Z"
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
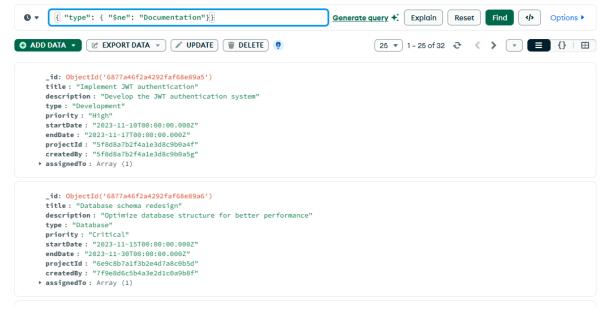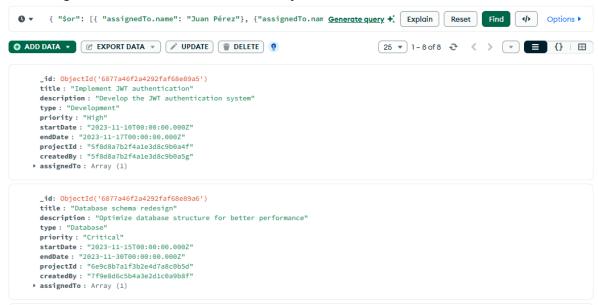▶ assignedTo : Array (1)

_id: ObjectId('6877a46f2a4292faf68e89a7')
title : "Frontend responsive redesign"
description : "Make website fully responsive for mobile devices"
type : "Frontend"
priority : "High"
startDate : "2023-11-20T00:00:00.000Z"
endDate : "2023-12-05T00:00:00.000Z"
projectId : "9a8b7c6d5e4f3g2h1i0j9k8l"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▶ assignedTo : Array (2)

_id: ObjectId('6877a46f2a4292faf68e89a9')
title : "Payment gateway integration"
description : "Integrate Stripe payment processing system"
type : "Backend"
priority : "High"
startDate : "2023-12-01T00:00:00.000Z"
endDate : "2023-12-15T00:00:00.000Z"
projectId : "2m3n4o5p6q7r8s9t0u1v2w3x"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▶ assignedTo : Array (1)

_id: ObjectId('6877a46f2a4292faf68e89ab')
title : "Automated testing framework"
description : "Implement Cypress testing framework for frontend"
type : "Testing"
priority : "High"

b. Consultas con Operadores de Comparación

- Tareas que comienzan después del 1/1/2024


```
{ "startDate": {"$gt": "2024-01-01"}}
```

```
_id: ObjectId('6877a46f2a4292faf68e89af')
title : "Customer support ticket system"
description : "Implement Zendesk integration with our platform"
type : "Integration"
priority : "Medium"
startDate : "2024-01-05T00:00:00.000Z"
endDate : "2024-01-19T00:00:00.000Z"
projectId : "4y5z6a7b8c9d0e1f2g3h4i5j"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▸ assignedTo : Array (1)
```

```
_id: ObjectId('6877a46f2a4292faf68e89b1')
title : "Multi-language support"
description : "Implement i18n for Spanish and French translations"
type : "Internationalization"
priority : "Low"
startDate : "2024-01-15T00:00:00.000Z"
endDate : "2024-02-05T00:00:00.000Z"
projectId : "6e9c8b7a1f3b2e4d7a8c0b5d"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▸ assignedTo : Array (1)
```

```
_id: ObjectId('6877a46f2a4292faf68e89b3')
title : "User onboarding flow redesign"
description : "Improve new user experience with guided onboarding"
type : "UX Design"
priority : "Medium"
startDate : "2024-01-08T00:00:00.000Z"
endDate : "2024-01-22T00:00:00.000Z"
projectId : "2m3n4o5p6q7r8s9t0u1v2w3x"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▸ assignedTo : Array (1)
```
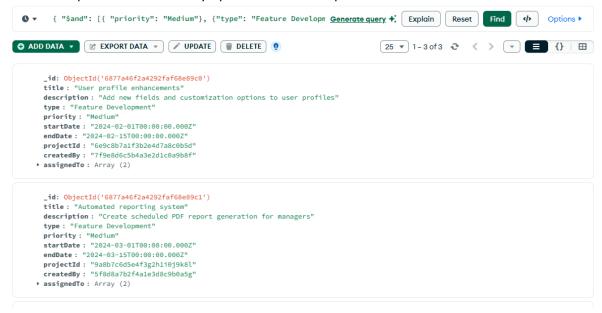
```
_id: ObjectId('6877a46f2a4292faf68e89b5')
title : "Marketing website redesign"
description : "Complete visual overhaul of company marketing site"
type : "Design"
priority : "Medium"
```

- Tareas que finalizan antes del 15/12/2023


```
{ "endDate": {"$lt": "2023-12-15"}}
```

```
_id: ObjectId('6877a46f2a4292faf68e89a5')
title : "Implement JWT authentication"
description : "Develop the JWT authentication system"
type : "Development"
priority : "High"
startDate : "2023-11-10T00:00:00.000Z"
endDate : "2023-11-17T00:00:00.000Z"
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▸ assignedTo : Array (1)
```

```
_id: ObjectId('6877a46f2a4292faf68e89a6')
title : "Database schema redesign"
description : "Optimize database structure for better performance"
type : "Database"
priority : "Critical"
startDate : "2023-11-15T00:00:00.000Z"
endDate : "2023-11-30T00:00:00.000Z"
projectId : "6e9c8b7a1f3b2e4d7a8c0b5d"
createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"
▸ assignedTo : Array (1)
```

```
_id: ObjectId('6877a46f2a4292faf68e89a7')
title : "Frontend responsive redesign"
description : "Make website fully responsive for mobile devices"
type : "Frontend"
priority : "High"
startDate : "2023-11-20T00:00:00.000Z"
endDate : "2023-12-05T00:00:00.000Z"
projectId : "9a8b7c6d5e4f3g2h1i0j9k8l"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▸ assignedTo : Array (2)
```

```
_id: ObjectId('6877a46f2a4292faf68e89a8')
title : "API documentation update"
description : "Update all API documentation for version 2.0"
type : "Documentation"
priority : "Medium"
```

- Tareas con prioridad diferente a "Low"

```
{ "priority": {"$ne": "Low"}}
```
Generate query Explain Reset Find </> Options ▶

ADD DATA ▼   EXPORT DATA ▼   UPDATE   DELETE   ?
25 ▼ 1 – 25 of 29   ← → ▼   ≡ {} ⊞

```
_id: ObjectId('6877a46f2a4292faf68e89a5')
title : "Implement JWT authentication"
description : "Develop the JWT authentication system"
type : "Development"
priority : "High"
startDate : "2023-11-10T00:00:00.000Z"
endDate : "2023-11-17T00:00:00.000Z"
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▶ assignedTo : Array (1)

_id: ObjectId('6877a46f2a4292faf68e89a6')
title : "Database schema redesign"
description : "Optimize database structure for better performance"
type : "Database"
priority : "Critical"
startDate : "2023-11-15T00:00:00.000Z"
endDate : "2023-11-30T00:00:00.000Z"
projectId : "6e9c8b7a1f3b2e4d7a8c0b5d"
createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"
▶ assignedTo : Array (1)

_id: ObjectId('6877a46f2a4292faf68e89a7')
title : "Frontend responsive redesign"
description : "Make website fully responsive for mobile devices"
type : "Frontend"
priority : "High"
startDate : "2023-11-20T00:00:00.000Z"
endDate : "2023-12-05T00:00:00.000Z"
projectId : "9a8b7c6d5e4f3g2h1i0j9k8l"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▶ assignedTo : Array (2)

_id: ObjectId('6877a46f2a4292faf68e89a8')
title : "API documentation update"
description : "Update all API documentation for version 2.0"
type : "Documentation"
priority : "Medium"
```

- Tareas con duración exacta de 7 días

Stage 1 $addFields ▼ 🔵

```
1  {
2    diferenciaDias: {
3      $divide: [
4        {
5          $subtract: [
6            { $toDate: "$endDate"},
7            { $toDate:"$startDate"}
8          ]
9        },
10       1000 * 60 * 60 * 24
11      ],
12    },
13  }
14
```

Output after $addFields stage (Sample of 10 documents)

```
        authentication system              for better performance                for mobile devices
type : "Development"              type : "Database"                   type : "Frontend"
priority : "High"                priority : "Critical"               priority : "High"
startDate : "2023-11-10T00:00:00.000Z"  startDate : "2023-11-15T00:00:00.000Z"  startDate : "2023-11-20T00:00:00.000Z"
endDate : "2023-11-17T00:00:00.000Z"    endDate : "2023-11-30T00:00:00.000Z"    endDate : "2023-12-05T00:00:00.000Z"
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"  projectId : "6e9c8b7a1f3b2e4d7a8c0b5d"  projectId : "9a8b7c6d5e4f3g2h1i0j9k8l"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"  createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"  createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▶ assignedTo : Array (1)               ▶ assignedTo : Array (1)                ▶ assignedTo : Array (2)
diferenciaDias : 7                     diferenciaDias : 15                     diferenciaDias : 15
```

Stage 2 $match ▼ 🔵

```
1  {
2    diferenciaDias: { $eq: 7 }
3  }
```

Output after $match stage (Sample of 7 documents)

```
        authentication system              _id: ObjectId('6877a46f2a4292faf68e89b4')  _id: ObjectId('6877a46f2a4292faf68e89b9')
type : "Development"              title : "Data backup system"         title : "Customer feedback analysis"
priority : "High"                description : "Implement automated daily  description : "Analyze and categorize last
startDate : "2023-11-10T00:00:00.000Z"        backups to AWS S3"              quarter's customer feedback"
endDate : "2023-11-17T00:00:00.000Z"    type : "Infrastructure"             type : "Analysis"
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"  priority : "High"                   priority : "Low"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"  startDate : "2023-12-11T00:00:00.000Z"  startDate : "2023-12-05T00:00:00.000Z"
▶ assignedTo : Array (1)               endDate : "2023-12-18T00:00:00.000Z"    endDate : "2023-12-12T00:00:00.000Z"
diferenciaDias : 7                     projectId : "4y5z6a7b8c9d0e1f2g3h4i5j"  projectId : "4y5z6a7b8c9d0e1f2g3h4i5j"
```

- Tareas que comienzan y terminan en noviembre 2023

Stage 2 $match ▼ 🔵

```
1  /**
2   * query: The query in MQL.
3   */
4  {
5    "endDate": { "$lt": "2023-11-31" }
6  }
```

Output after $match stage (Sample of 2 documents)

```
_id: ObjectId('6877a46f2a4292faf68e89a5')      _id: ObjectId('6877a4
title : "Implement JWT authentication"         title : "Database sch
description : "Develop the JWT                  description : "Optimi
          authentication system"                           for bet
type : "Development"                            type : "Database"
priority : "High"                              priority : "Critical"
startDate : "2023-11-10T00:00:00.000Z"         startDate : "2023-11-
endDate : "2023-11-17T00:00:00.000Z"           endDate : "2023-11-30
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"         projectId : "6e9c8b7a
```

c. Consultas con Operadores Lógicos

- Tareas de prioridad "High" o "Critical"

`{ "$or": [{ "priority": "High"}, {"priority": "Critical"}]}`

Generate query ✦ Explain Reset Find ‹/› Options ▸

ADD DATA ▾   EXPORT DATA ▾   UPDATE   DELETE ❓   25 ▾ 1 – 15 of 15   ‹ ›   ▾   ≡ {} ⊞

```
        description : "Integrate Stripe payment processing system"
        type : "Backend"
        priority : "High"
        startDate : "2023-12-01T00:00:00.000Z"
        endDate : "2023-12-15T00:00:00.000Z"
        projectId : "2m3n4o5p6q7r8s9t0u1v2w3x"
        createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
      ▸ assignedTo : Array (1)


        _id: ObjectId('6877a46f2a4292faf68e89ab')
        title : "Automated testing framework"
        description : "Implement Cypress testing framework for frontend"
        type : "Testing"
        priority : "High"
        startDate : "2023-11-18T00:00:00.000Z"
        endDate : "2023-12-02T00:00:00.000Z"
        projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
        createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
      ▸ assignedTo : Array (1)


        _id: ObjectId('6877a46f2a4292faf68e89ac')
        title : "Microservices architecture design"
        description : "Design architecture for new microservices implementation"
```

- Tareas de tipo "Frontend" o "Backend"

`{ "$or": [{ "type": "Frontend"}, {"type": "Backend"}]}`

Generate query ✦ Explain Reset Find ‹/› Options ▸

ADD DATA ▾   EXPORT DATA ▾   UPDATE   DELETE ❓   25 ▾ 1 – 2 of 2   ‹ ›   ▾   ≡ {} ⊞

```
        _id: ObjectId('6877a46f2a4292faf68e89a7')
        title : "Frontend responsive redesign"
        description : "Make website fully responsive for mobile devices"
        type : "Frontend"
        priority : "High"
        startDate : "2023-11-20T00:00:00.000Z"
        endDate : "2023-12-05T00:00:00.000Z"
        projectId : "9a8b7c6d5e4f3g2h1i0j9k8l"
        createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
      ▸ assignedTo : Array (2)


        _id: ObjectId('6877a46f2a4292faf68e89a9')
        title : "Payment gateway integration"
        description : "Integrate Stripe payment processing system"
        type : "Backend"
        priority : "High"
        startDate : "2023-12-01T00:00:00.000Z"
        endDate : "2023-12-15T00:00:00.000Z"
        projectId : "2m3n4o5p6q7r8s9t0u1v2w3x"
        createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
      ▸ assignedTo : Array (1)
```

- Tareas que no son de tipo "Documentation"


```
{ "type": { "$ne": "Documentation"}}    Generate query ✦  Explain    Reset    Find   </>   Options ▸

⊕ ADD DATA ▾   ⇲ EXPORT DATA ▾   ✎ UPDATE   🗑 DELETE   💡        25 ▾  1 – 25 of 32  ⟳  ‹  ›  ▾  ☰  {}  ⊞

    _id: ObjectId('6877a46f2a4292faf68e89a5')
    title : "Implement JWT authentication"
    description : "Develop the JWT authentication system"
    type : "Development"
    priority : "High"
    startDate : "2023-11-10T00:00:00.000Z"
    endDate : "2023-11-17T00:00:00.000Z"
    projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
    createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
  ▸ assignedTo : Array (1)


    _id: ObjectId('6877a46f2a4292faf68e89a6')
    title : "Database schema redesign"
    description : "Optimize database structure for better performance"
    type : "Database"
    priority : "Critical"
    startDate : "2023-11-15T00:00:00.000Z"
    endDate : "2023-11-30T00:00:00.000Z"
    projectId : "6e9c8b7a1f3b2e4d7a8c0b5d"
    createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"
  ▸ assignedTo : Array (1)
```

- Tareas asignadas a Juan Pérez o Maria Gonzalezç


```
{ "$or": [{ "assignedTo.name": "Juan Pérez"}, {"assignedTo.nam  Generate query ✦  Explain    Reset    Find   </>   Options ▸

⊕ ADD DATA ▾   ⇲ EXPORT DATA ▾   ✎ UPDATE   🗑 DELETE   💡        25 ▾  1 – 8 of 8  ⟳  ‹  ›  ▾  ☰  {}  ⊞

    _id: ObjectId('6877a46f2a4292faf68e89a5')
    title : "Implement JWT authentication"
    description : "Develop the JWT authentication system"
    type : "Development"
    priority : "High"
    startDate : "2023-11-10T00:00:00.000Z"
    endDate : "2023-11-17T00:00:00.000Z"
    projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
    createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
  ▸ assignedTo : Array (1)


    _id: ObjectId('6877a46f2a4292faf68e89a6')
    title : "Database schema redesign"
    description : "Optimize database structure for better performance"
    type : "Database"
    priority : "Critical"
    startDate : "2023-11-15T00:00:00.000Z"
    endDate : "2023-11-30T00:00:00.000Z"
    projectId : "6e9c8b7a1f3b2e4d7a8c0b5d"
    createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"
  ▸ assignedTo : Array (1)
```

- Tareas con prioridad "Medium" y tipo "Feature Development"

```
{ "$and": [{ "priority": "Medium"}, {"type": "Feature Developm   Generate query +   Explain   Reset   Find   </>   Options ▶
```

ADD DATA ▾   EXPORT DATA ▾   UPDATE   DELETE   ⓘ   25 ▾ 1 – 3 of 3   ↻   ‹ ›   ▾   ≡   {}   ▦

```
_id: ObjectId('6877a46f2a4292faf68e89c0')
title : "User profile enhancements"
description : "Add new fields and customization options to user profiles"
type : "Feature Development"
priority : "Medium"
startDate : "2024-02-01T00:00:00.000Z"
endDate : "2024-02-15T00:00:00.000Z"
projectId : "6e9c8b7a1f3b2e4d7a8c0b5d"
createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"
▸ assignedTo : Array (2)
```

```
_id: ObjectId('6877a46f2a4292faf68e89c1')
title : "Automated reporting system"
description : "Create scheduled PDF report generation for managers"
type : "Feature Development"
priority : "Medium"
startDate : "2024-03-01T00:00:00.000Z"
endDate : "2024-03-15T00:00:00.000Z"
projectId : "9a8b7c6d5e4f3g2h1i0j9k8l"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▸ assignedTo : Array (2)
```

d. Consultas con Arrays

- Tareas de prioridad "High" o "Critical"

```
{ priority: { $in: ["High", "Critical"]}}   Generate query +   Explain   Reset   Find   </>   Options ▶
```

ADD DATA ▾   EXPORT DATA ▾   UPDATE   DELETE   ⓘ   25 ▾ 1 – 15 of 15   ↻   ‹ ›   ▾   ≡   {}   ▦

```
_id: ObjectId('6877a46f2a4292faf68e89a5')
title : "Implement JWT authentication"
description : "Develop the JWT authentication system"
type : "Development"
priority : "High"
startDate : "2023-11-10T00:00:00.000Z"
endDate : "2023-11-17T00:00:00.000Z"
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▸ assignedTo : Array (1)
```

```
_id: ObjectId('6877a46f2a4292faf68e89a6')
title : "Database schema redesign"
description : "Optimize database structure for better performance"
type : "Database"
priority : "Critical"
startDate : "2023-11-15T00:00:00.000Z"
endDate : "2023-11-30T00:00:00.000Z"
projectId : "6e9c8b7a1f3b2e4d7a8c0b5d"
createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"
▸ assignedTo : Array (1)
```

- Tareas asignadas a un UI Designer


```
❶ ▼     { "assignedTo.role": "UI Designer"}          Generate query ✦   Explain   Reset   Find   </>   Options ▶

⊕ ADD DATA ▼    ⎘ EXPORT DATA ▼    ✎ UPDATE    🗑 DELETE   💡              25 ▼  1 – 4 of 4  ↻  ‹ ›  ▼  ▤  {}  ⊞

    _id: ObjectId('6877a46f2a4292faf68e89a7')
    title : "Frontend responsive redesign"
    description : "Make website fully responsive for mobile devices"
    type : "Frontend"
    priority : "High"
    startDate : "2023-11-20T00:00:00.000Z"
    endDate : "2023-12-05T00:00:00.000Z"
    projectId : "9a8b7c6d5e4f3g2h1i0j9k8l"
    createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
  ▼ assignedTo : Array (2)
    ▸ 0: Object
    ▸ 1: Object


    _id: ObjectId('6877a46f2a4292faf68e89ae')
    title : "Accessibility compliance audit"
    description : "Ensure all pages meet WCAG 2.1 AA standards"
    type : "Compliance"
    priority : "Medium"
    startDate : "2023-12-15T00:00:00.000Z"
    endDate : "2023-12-29T00:00:00.000Z"
    projectId : "2m3n4o5p6q7r8s9t0u1v2w3x"
    createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"
  ▸ assignedTo : Array (2)
```

- Tareas asignadas específicamente a Laura Martinez como UI Designer


```
❶ ▼     $elemMatch: { name: "Laura Martinez", role: "UI Designer" }}}  Generate query ✦   Explain   Reset   Find   </>   Options ▶

⊕ ADD DATA ▼    ⎘ EXPORT DATA ▼    ✎ UPDATE    🗑 DELETE   💡              25 ▼  1 – 4 of 4  ↻  ‹ ›  ▼  ▤  {}  ⊞

  ▸   _id: ObjectId('6877a46f2a4292faf68e89a7')                                             ✎  ⧉  ⧉  🗑
      title : "Frontend responsive redesign"
      description : "Make website fully responsive for mobile devices"
      type : "Frontend"
      priority : "High"
      startDate : "2023-11-20T00:00:00.000Z"
      endDate : "2023-12-05T00:00:00.000Z"
      projectId : "9a8b7c6d5e4f3g2h1i0j9k8l"
      createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
  ▶ assignedTo : Array (2)


    _id: ObjectId('6877a46f2a4292faf68e89ae')
    title : "Accessibility compliance audit"
    description : "Ensure all pages meet WCAG 2.1 AA standards"
    type : "Compliance"
    priority : "Medium"
    startDate : "2023-12-15T00:00:00.000Z"
    endDate : "2023-12-29T00:00:00.000Z"
    projectId : "2m3n4o5p6q7r8s9t0u1v2w3x"
    createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"
  ▸ assignedTo : Array (2)
```

- Tareas asignadas a un Frontend Developer y un UI Designer

```
{
    $and: [
        { assignedTo: { $elemMatch: { role: "Frontend Developer"}]
        { assignedTo: { $elemMatch: { role: "UI Designer"}}}
    ]
}
```

ADD DATA ▾ EXPORT DATA ▾ UPDATE DELETE 💡   25 ▾ 1 - 4 of 4

```
_id: ObjectId('6877a46f2a4292faf68e89a7')
title : "Frontend responsive redesign"
description : "Make website fully responsive for mobile devices"
type : "Frontend"
priority : "High"
startDate : "2023-11-20T00:00:00.000Z"
endDate : "2023-12-05T00:00:00.000Z"
projectId : "9a8b7c6d5e4f3g2h1i0j9k8l"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
assignedTo : Array (2)
  ▸ 0: Object
  ▸ 1: Object
```

```
_id: ObjectId('6877a46f2a4292faf68e89ae')
title : "Accessibility compliance audit"
description : "Ensure all pages meet WCAG 2.1 AA standards"
type : "Compliance"
priority : "Medium"
```

- Tareas donde Carlos Ruiz es uno de los asignados

```
{
    assignedTo: {
        $elemMatch: {
            name: "Carlos Ruiz"
        }
    }
}
```

ADD DATA ▾ EXPORT DATA ▾ UPDATE DELETE 💡   25 ▾ 1 - 5 of 5

```
_id: ObjectId('6877a46f2a4292faf68e89a7')
title : "Frontend responsive redesign"
description : "Make website fully responsive for mobile devices"
type : "Frontend"
priority : "High"
startDate : "2023-11-20T00:00:00.000Z"
endDate : "2023-12-05T00:00:00.000Z"
projectId : "9a8b7c6d5e4f3g2h1i0j9k8l"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
assignedTo : Array (2)
```

```
_id: ObjectId('6877a46f2a4292faf68e89ae')
title : "Accessibility compliance audit"
description : "Ensure all pages meet WCAG 2.1 AA standards"
type : "Compliance"
priority : "Medium"
startDate : "2023-12-15T00:00:00.000Z"
```

e. Consultas con Expresiones Regulares

- Tareas con título que contiene "design" (case insensitive)


```
{
    title: {
        $regex: "design",
        $options: "i"
    }
}
```

```
type : "UX Design"
priority : "Medium"
startDate : "2024-01-08T00:00:00.000Z"
endDate : "2024-01-22T00:00:00.000Z"
projectId : "2m3n4o5p6q7r8s9t0u1v2w3x"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▸ assignedTo : Array (1)

_id: ObjectId('6877a46f2a4292faf68e89b5')
title : "Marketing website redesign"
description : "Complete visual overhaul of company marketing site"
type : "Design"
priority : "Medium"
startDate : "2024-01-02T00:00:00.000Z"
endDate : "2024-01-30T00:00:00.000Z"
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▸ assignedTo : Array (2)
```

- Tareas con descripción que comienza con "Implement"


```
{
    description: {
        $regex: "^Implement",
        $options: "i"
    }
}
```

```
_id: ObjectId('6877a46f2a4292faf68e89ab')
title : "Automated testing framework"
description : "Implement Cypress testing framework for frontend"
type : "Testing"
priority : "High"
startDate : "2023-11-18T00:00:00.000Z"
endDate : "2023-12-02T00:00:00.000Z"
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▸ assignedTo : Array (1)

_id: ObjectId('6877a46f2a4292faf68e89af')
title : "Customer support ticket system"
description : "Implement Zendesk integration with our platform"
type : "Integration"
priority : "Medium"
startDate : "2024-01-05T00:00:00.000Z"
endDate : "2024-01-19T00:00:00.000Z"
```

- Tareas con título que termina en "system"


```
🕐 ▼    {
            title: {
                $regex: "system$",
                $options: "i"
            }
        }
```

Generate query ✦ Explain Reset **Find** </> Options ▶

⊕ ADD DATA ▼   ⬀ EXPORT DATA ▼   ✏ UPDATE   🗑 DELETE   💡   25 ▼ 1 – 4 of 4 ↻ ‹ › ▼ ☰ { } ⊞

```
_id: ObjectId('6877a46f2a4292faf68e89af')
title : "Customer support ticket system"
description : "Implement Zendesk integration with our platform"
type : "Integration"
priority : "Medium"
startDate : "2024-01-05T00:00:00.000Z"
endDate : "2024-01-19T00:00:00.000Z"
projectId : "4y5z6a7b8c9d0e1f2g3h4i5j"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▸ assignedTo : Array (1)
```

```
_id: ObjectId('6877a46f2a4292faf68e89b4')
title : "Data backup system"
description : "Implement automated daily backups to AWS S3"
type : "Infrastructure"
priority : "High"
startDate : "2023-12-11T00:00:00.000Z"
endDate : "2023-12-18T00:00:00.000Z"
```

- Tareas con descripción que contiene "API"


```
🕐 ▼    {
            description: {
                $regex: "API",
                $options: "i"
            }
        }
```

Generate query ✦ Explain Reset **Find** </> Options ▶

⊕ ADD DATA ▼   ⬀ EXPORT DATA ▼   ✏ UPDATE   🗑 DELETE   💡   25 ▼ 1 – 2 of 2 ↻ ‹ › ▼ ☰ { } ⊞

```
_id: ObjectId('6877a46f2a4292faf68e89a8')
title : "API documentation update"
description : "Update all API documentation for version 2.0"
type : "Documentation"
priority : "Medium"
startDate : "2023-11-25T00:00:00.000Z"
endDate : "2023-12-01T00:00:00.000Z"
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"
▸ assignedTo : Array (1)
```

```
_id: ObjectId('6877a46f2a4292faf68e89c3')
title : "Third-party API monitoring"
description : "Implement uptime monitoring for critical external APIs"
type : "Monitoring"
priority : "Medium"
startDate : "2024-03-05T00:00:00.000Z"
endDate : "2024-03-12T00:00:00.000Z"
```

- Tareas con título que contiene números

```
{
    title: {
        $regex: "[0-9]",
        $options: "i"
    }
}
```

ADD DATA ▾   EXPORT DATA ▾   UPDATE   DELETE   ?   25 ▾ 0 – 0 of 0

e. Consultas Avanzadas

- Tareas con duración mayor a 14 días

Stage 2 $match

```
1 ▾ /**
2     * query: The query in MQL.
3     */
4 ▾ {
5       duracionDias: { $gt: 14}
6     }
```

Output after $match stage (Sample of 10 documents)

```
                for better performance"
    type : "Database"
    priority : "Critical"
    startDate : "2023-11-15T00:00:00.000Z"
    endDate : "2023-11-30T00:00:00.000Z"
    projectId : "6e9c8b7a1f3b2e4d7a8c0b5d"
    createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"
  ▸ assignedTo : Array (1)
    duracionDias : 15
```

```
                        for mob
    type : "Frontend"
    priority : "High"
    startDate : "2023-11-
    endDate : "2023-12-05
    projectId : "9a8b7c6d
    createdBy : "5f8d8a7b
  ▸ assignedTo : Array (2
    duracionDias : 15
```

- Tareas que se solapan con el periodo 15/12/2023 al 15/1/2024

```
{
    startDate: { $lte: new Date("2024-01-15")},
    endDate: { $gte: new Date("2023-12-15")}
}
```

ADD DATA ▾   EXPORT DATA ▾   UPDATE   DELETE   ?   25 ▾ 0 – 0 of 0

- Tareas del proyecto "5f8d8a7b2f4a1e3d8c9b0a4f" con prioridad alta o crítica

```
{
    projectId: "5f8d8a7b2f4a1e3d8c9b0a4f",
    priority: { $in: ["High", "Critical"]}
}
```
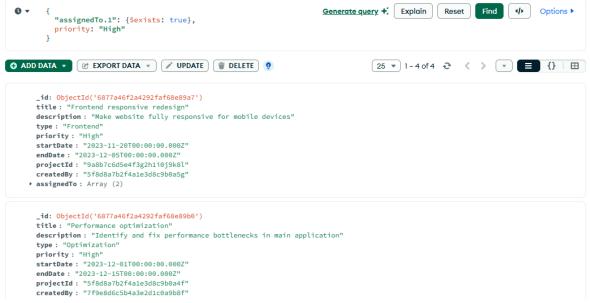
ADD DATA ▾   EXPORT DATA ▾   UPDATE   DELETE   ?   25 ▾ 1 – 4 of 4

```
    _id: ObjectId('6877a46f2a4292faf68e89a5')
    title : "Implement JWT authentication"
    description : "Develop the JWT authentication system"
    type : "Development"
    priority : "High"
    startDate : "2023-11-10T00:00:00.000Z"
    endDate : "2023-11-17T00:00:00.000Z"
    projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
    createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
  ▸ assignedTo : Array (1)
```

```
    _id: ObjectId('6877a46f2a4292faf68e89ab')
    title : "Automated testing framework"
    description : "Implement Cypress testing framework for frontend"
    type : "Testing"
    priority : "High"
    startDate : "2023-11-18T00:00:00.000Z"
    endDate : "2023-12-02T00:00:00.000Z"
    projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
    createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
```

- Tareas asignadas a equipos (más de una persona) con prioridad alta

```
{
    "assignedTo.1": {$exists: true},
    priority: "High"
}
```

Generate query ✦ Explain   Reset   Find   </>   Options ▸

● ADD DATA ▾   ☑ EXPORT DATA ▾   ✎ UPDATE   🗑 DELETE   💡   25 ▾ 1-4 of 4 ↻ ‹ › ▾ ≡ {} ⊞

```
_id: ObjectId('6877a46f2a4292faf68e89a7')
title : "Frontend responsive redesign"
description : "Make website fully responsive for mobile devices"
type : "Frontend"
priority : "High"
startDate : "2023-11-20T00:00:00.000Z"
endDate : "2023-12-05T00:00:00.000Z"
projectId : "9a8b7c6d5e4f3g2h1i0j9k8l"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▸ assignedTo : Array (2)
```

```
_id: ObjectId('6877a46f2a4292faf68e89b0')
title : "Performance optimization"
description : "Identify and fix performance bottlenecks in main application"
type : "Optimization"
priority : "High"
startDate : "2023-12-01T00:00:00.000Z"
endDate : "2023-12-15T00:00:00.000Z"
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
createdBy : "7f9e8d6c5b4a3e2d1c0a9b8f"
```

- Tareas de desarrollo (Development) o backend asignadas a Juan Pérez

```
{
    type: { $in: ["Development", "Backend"]},
    "assignedTo.name": "Juan Pérez"
}
```

Generate query ✦ Explain   Reset   Find   </>   Options ▸

● ADD DATA ▾   ☑ EXPORT DATA ▾   ✎ UPDATE   🗑 DELETE   💡   25 ▾ 1-2 of 2 ↻ ‹ › ▾ ≡ {} ⊞

```
_id: ObjectId('6877a46f2a4292faf68e89a5')
title : "Implement JWT authentication"
description : "Develop the JWT authentication system"
type : "Development"
priority : "High"
startDate : "2023-11-10T00:00:00.000Z"
endDate : "2023-11-17T00:00:00.000Z"
projectId : "5f8d8a7b2f4a1e3d8c9b0a4f"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
▸ assignedTo : Array (1)
```

```
_id: ObjectId('6877a46f2a4292faf68e89a9')
title : "Payment gateway integration"
description : "Integrate Stripe payment processing system"
type : "Backend"
priority : "High"
startDate : "2023-12-01T00:00:00.000Z"
endDate : "2023-12-15T00:00:00.000Z"
projectId : "2m3n4o5p6q7r8s9t0u1v2w3x"
createdBy : "5f8d8a7b2f4a1e3d8c9b0a5g"
```