

Nivell 1

Crea una base de dades amb MongoDB utilitzant com a col·leccions els arxius adjunts.

Primer he creat una base de dades: SPRINT_09

Y he creado diferentes “collections” donde he introducido los documentos:

Comments,movies,sessions,theaters,users

- Exercici 1

- **Mostra els 2 primers comentaris que hi ha en la base de dades.**

{ }

Generate query

Explain

Reset

Find

<>

Options

Project

{ field: 0 }

Sort

{ field: -1 } or [['field', -1]]

Collation

{ locale: 'simple' }

Index Hint

{ field: -1 }

Max Time MS

60000

Skip

0

Limit

2

ADD DATA

EXPORT DATA

UPDATE

DELETE

1 - 20 of 50304

Una vegada ho hem executat podem veure els següents resultats:

{}

Project

{ field: 0 }

Sort

{ field: -1 } or [[field, -1]]

Collation

{ locale: 'simple' }

Index Hint

{ field: -1 }

Generate query

Explain

Reset

Find

</>

Options >

Max Time MS

60000

Skip

0

Limit

2

+ ADD DATA >

[EXPORT DATA >]

[UPDATE]

[DELETE]

1 - 2 of 2

<

>

≡

{}

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```
_id: ObjectId('5a9427648b0beebe69579cc')  
name: "Andrea Le"  
email: "andrea_le@fakegmail.com"  
movie_id: ObjectId('573a139f29313caabcd418c')  
text: "Rem officiiis eaque repellendus amet eos doloribus. Porro dolor volupta..."  
date: 2012-03-26T23:20:16.000+00:00
```

```
_id: ObjectId('5a9427648b0beebe69579cf')  
name: "Greg Powell"  
email: "greg_powell@fakegmail.com"  
movie_id: ObjectId('573a139f29313caabcd41b1')  
text: "Tenetur dolorum molestiae ea. Eligendi praesentium unde quod porro. Co..."  
date: 1987-02-10T00:29:36.000+00:00
```

- Quants usuaris tenim registrats?

Tenim 185 usuaris registrats

my queries

Performance

Databases

Search

SPRINT_09

- COMMENTS
- MOVIES
- SESSIONS
- THEATERS
- USERS

admin

config

local

Documents 185 Aggregations Schema Indexes 1 Validation

Documents: 185
Storage Size: 4.1KB
Avg. Size: 159B

Generate query + Explain Reset Find

ADD DATA EXPORT DATA UPDATE DELETE

1 - 20 of 185

```
{
  "_id": ObjectId("59b99db4cfa9a34dcd7885b6"),
  "name": "Ned Stark",
  "email": "sean_bean@gameofthron.es",
  "password": "52b5125UREFwsRl0yF0CRqGnK0Lz08HM/jLhgUCNNI39R3AqMUQ74crL31Vu"
}
```

```
{
  "_id": ObjectId("59b99db4cfa9a34dcd7885b7"),
  "name": "Robert Baratheon",
  "email": "mark_addy@gameofthron.es",
  "password": "52b5125yGqxLG9LZpKA2xVDhuPnS0Zd.VURVvkz7wgOLY3pn08s7u2S1Z032y"
}
```

```
{
  "_id": ObjectId("59b99db5cfa9a34dcd7885b8"),
  "name": "Jaime Lannister",
  "email": "nikolaj_coster-waldau@gameofthron.es",
  "password": "52b51256vz7wiw0.E1SR1lvq1zUc./9486gb1uPtXcah0xIadgyC3P58XCUK"
}
```

Documents 185 Aggregations Schema Indexes 1 Validation

Generate query + Explain Reset Find Options

Project { field: 0 }

Sort {}

Collation {}

Index Hint { field: -1 }

Max Time MS 60000

Skip 0 Limit 0

1 - 20 of 185

Quants cinemes hi ha en l'estat de Califòrnia?

En l'estat de Califòrnia hi han: 169 cinemes

Generate query + Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

1 - 20 of 169

```
{
  "location.address.state": "CA"
}
```

```
{
  "_id": ObjectId("59a47286cfa9a3a73e51e74f"),
  "theaterId": 102,
  "location": Object
}
```

```
{
  "_id": ObjectId("59a47286cfa9a3a73e51e751"),
  "theaterId": 103,
  "location": Object
}
```

```
{
  "_id": ObjectId("59a47286cfa9a3a73e51e754"),
  "theaterId": 1045,
  "location": Object
}
```

```
{
  "_id": ObjectId("59a47286cfa9a3a73e51e75c"),
  "theaterId": 104,
  "location": Object
}
```

Quin va ser el primer usuari/ària en registrar-se?

Project

{ field: 0 }

Sort

{date : 1}

Collation

{}

Index Hint

{ field: -1 }

Max Time MS

60000

Skip

0

Limit

1

ADD DATA

EXPORT DATA

UPDATE

DELETE

1 - 1 of 1

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_id: ObjectId('5a9427648b8beeb695e67e')

name: "Mercedes Tyler"

email: "mercedes_tyler@fakegmail.com"

movie_id: ObjectId('573a1399f29313caabcec3ce')

text: "Optio totam dolores magni. Enim ratione fuga tempora voluptatum est cu..."

date: 1970-01-01T01:07:09.000+00:00

La primera usuaria va ser: Mercedes Tyler.

- Quantes pel·lícules de comèdia hi ha en la nostra base de dades?

Hi han 20 pel·lícules de comèdia.

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{ "genres": "Comedy" }

Generate query

⚡

Explain

Reset

Find

Project

{ field: 0 }

Sort

{ field: -1 } or [['field', -1]]

Collation

{ locale: 'simple' }

Index Hint

{ field: -1 }

Max Time MS

60000

Skip

0

Limit

0

ADD DATA

EXPORT DATA

UPDATE

DELETE

1 - 20 of 7024

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⌕

_id: ObjectId('573a1390f29313caabcd4803')

plot: "Cartoon figures announce, via comic strip balloons, that they will mov..."

▶ genres: Array (3)

runtime: 7

▶ cast: Array (1)

num_mflix_comments: 1

poster: "https://m.media-amazon.com/images/M/MV5BYzg2NjNhNTctMjUxMi00ZWU4LWI3Zj..."

title: "Winsor McCay, the Famous Cartoonist of the N.Y. Herald and His Moving ..."

fullplot: "Cartoonist Winsor McCay agrees to create a large set of drawings that ..."

▶ languages: Array (1)

released: 1911-04-08T00:00:00.000+00:00

▶ directors: Array (2)

▶ writers: Array (2)

awards: Object

lastupdated: "2015-08-29 01:09:03.030000000"

year: 1911

▶ imdb: Object

▶ countries: Array (1)

type: "movie"

- Exercici 2

Mostra'm tots els documents de les pel·lícules produïdes en 1932, però que el gènere sigui drama o estiguin en francès.

Son 18 pel·lícules, que van ser produïdes en 1932 amb genera drama o francès.

- Exercici 1

Compte quants comentaris escriu un usuari/ària que utilitza "GAMEOFTHRON.ES" com a domini de correu electrònic.

20 comentaris

Generate query

Explain

Reset

Find

```
{
  "email": {
    "$regex": ".*@gameofthron.es$",
    "$options": "i"
  }
}
```

ADD DATA

EXPORT DATA

UPDATE

DELETE

1 – 20 of 22841

_id: ObjectId('5a9427648b0beeb69579d0')

name: "Talisa Maegyr"

email: "oona_chaplin@gameofthron.es"

movie_id: ObjectId('573a1390f29313caabcd41b1')

text: "Rem itaque ad sit rem voluptatibus. Ad fugiat maxime illum optio iure ..."

date: 1998-08-22T11:45:03.000+00:00

_id: ObjectId('5a9427648b0beeb69579d5')

name: "Petyr Baelish"

email: "aidan_gillen@gameofthron.es"

movie_id: ObjectId('573a1390f29313caabcd4218')

text: "Quo deserunt ipsam ipsum. Tenetur eos nemo nam sint praesentium minus ..."

date: 2001-07-13T19:25:09.000+00:00

_id: ObjectId('5a9427648b0beeb69579db')

name: "Olly"

email: "brenock_o'connor@gameofthron.es"

movie_id: ObjectId('573a1390f29313caabcd413b')

text: "Perspiciatis sit pariatur quas. Perferendis officia harum ipsum delenit..."

date: 2000-01-01T00:00:00.000+00:00

- Exercici 2

Quants cinemes hi ha en cada codi postal situats dins de l'estat Washington D. C. (DC)?

Hi han 3 cinemes dins de l'estat Washington D.C

{ "location.address.state" : "DC" }

Generate query

Explain

Reset

Find

ADD DATA

EXPORT DATA

UPDATE

DELETE

1 - 3 of 3

_id: ObjectId('59a47286cfa9a3a73e51e785')

theaterId: 1092

▶ location: Object

_id: ObjectId('59a47287cfa9a3a73e51ec33')

theaterId: 801

▶ location: Object

_id: ObjectId('59a47287cfa9a3a73e51ecd8')

theaterId: 8500

▶ location: Object

Nivell 3

Exercici 1

Troba totes les pel·lícules dirigides per John Landis amb una puntuació IMDb (Internet Movie Database) d'entre 7,5 i 8.

4 pel.lícules

Generate query

Explain
Reset
Find
</>
Options

```

{
  directors: "John Landis",
  "imdb.rating": {
    "$gte": 7.5,
    "$lte": 8
  }
}
        
```

+ ADD DATA
EXPORT DATA
UPDATE
DELETE

1 - 4 of 4
 ↺
↻
↷
{}

```

_id: ObjectId('573a1397f29313caabce6d94')
fullplot: "Faber College has one frat house so disreputable it will take anyone. ..."
imdb: Object
year: 1978
plot: "At a 1962 college, Dean Vernon Wormer is determined to expel the entire..."
genres: Array (1)
rated: "R"
metacritic: 82
title: "Animal House"
lastupdated: "2015-09-13 00:02:47.803000000"
languages: Array (2)
writers: Array (3)
type: "movie"
tomatoes: Object
poster: "https://m.media-amazon.com/images/M/MV5BM2M2ZDA4MTYtOGJmIj00TG5LWI1ZT..."
num_mflix_comments: 1
released: 1978-07-28T00:00:00.000+00:00
awards: Object
countries: Array (1)
cast: Array (4)
directors: Array (1)
runtime: 109
        
```

Exercici 2

Mostra en un mapa la ubicació de tots els teatres de la base de dades.

Primer creem un Index de localització , seleccionant:

location.coordinates_2dsphere

Despres clickem esquema i localització i ho podem veure:

Create IndexRefresh

VIEWINGINDEXESSearch

Name and Definition	Type	Size	Usage	Properties
> _id_	REGULAR ⓘ	61.4 KB	14 (since Wed Jul 03 2024)	UNIQUE ⓘ
> location.geo.coordinates_2dsphere	GEOSPATIAL ⓘ	45.1 KB	0 (since Mon Jul 08 2024)	

This report is based on a sample of 1000 documents. [Learn more](#)

> address

document

> geo

coordinates

