	Lehrveranstaltung	Databases and Information Systems 2020		
	Aufgabenzettel	5		
	STiNE-Gruppe 14	Simon Weidmann, Aram Yesildeniz		
	Ausgabe	9. Juni 2020	Abgabe	23. Juni 2020

5.1 Tutorial

Insert

Viewing Collection: films

[New Document](#)
[New Index](#)

[Simple](#)
[Advanced](#)


Delete all 4 documents retrieved

_id	title	year	genre	actors	releases
5ee4bda1e7c9ffae0cac32fa	Star Trek Into Darkness	2013	Action,Adventure,Sci-Fi	Pine, Chris,Quinto, Zachary,Saldana, Zoe	<pre>{ "releases": [{ "date": "2013-05-17", "country": "USA", "gross": 380700000 }] }</pre>
5ee4be76e7c9ffae0cac32fb	Iron Man 3	2013	Action,Adventure,Sci-Fi	Downey Jr., Robert,Paltrow, Gwyneth	
5ee4bea2e7c9ffae0cac32fc	This Means War	2011	Action,Comedy,Romance	Pine, Chris,Witherspoon, Reese,Hardy, Tom	<pre>{ "releases": [{ "date": "2011-04-15", "country": "USA", "gross": 100000000 }] }</pre>
5ee4beb9e7c9ffae0cac32fd	The Amazing Spider-Man 2	2014	Action,Adventure,Fantasy	Stone, Emma,Woodley, Shailene	

Querying

Example of one query:

```
DIS_Blatt5_Archive — docker run -it --network mongo_default --rm mongo mongo --host mongo -u root -p password — 194x20
> db.film.find({title: "Iron Man 3"})
{ "_id" : ObjectId("5ee4be76e7c9ffae0cac32fb"), "title" : "Iron Man 3", "year" : 2013, "genre" : [ "Action", "Adventure", "Sci-Fi" ], "actors" : [ "Downey Jr., Robert", "Paltrow, Gwyneth" ] }
> db.film.findOne({title: "Iron Man 3"})
{
  "_id" : ObjectId("5ee4be76e7c9ffae0cac32fb"),
  "title" : "Iron Man 3",
  "year" : 2013,
  "genre" : [
    "Action",
    "Adventure",
    "Sci-Fi"
  ],
  "actors" : [
    "Downey Jr., Robert",
    "Paltrow, Gwyneth"
  ]
}
```

	Lehrveranstaltung	Databases and Information Systems 2020		
	Aufgabenzettel	5		
	STiNE-Gruppe 14	Simon Weidmann, Aram Yesildeniz		
	Ausgabe	9. Juni 2020	Abgabe	23. Juni 2020

Update

```

> db.film.update(
... {title: "Star Trek Into Darkness"},
... {$set: {rating: 6.4}}
... )
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.film.findOne(title: "Star Trek Into Darkness")
{
  "_id" : ObjectId("5ee4bda1e7c9ffae8cac32fa"),
  "title" : "Star Trek Into Darkness",
  "year" : 2013,
  "genre" : [
    "Action",
    "Adventure",
    "Sci-Fi"
  ],
  "actors" : [
    "Pine, Chris",
    "Quinto, Zachary",
    "Saldana, Zoe"
  ],
  "releases" : [
    {
      "country" : "USA",
      "date" : ISODate("2013-05-17T00:00:00Z"),
      "prerelease" : true
    },
    {
      "country" : "Germany",
      "date" : ISODate("2013-05-16T00:00:00Z"),
      "prerelease" : false
    }
  ],
  "rating" : 6.4
}

```

Delete

```

DIS_Blatt5_Archive -- docker run -it --network mongo_default --rm mongo mongo --host mongo -u roo...
> db.film.find(title: /T/)
{ "_id" : ObjectId("5ee4bda1e7c9ffae8cac32fa"), "title" : "This Means War", "year" : 2011, "genre" :
[ "Action", "Comedy", "Romance" ], "actors" : [ "Pine, Chris", "Witherspoon, Reese", "Hardy, Tom" ],
"releases" : [ { "country" : "USA", "date" : ISODate("2011-02-17T00:00:00Z"), "prerelease" : false },
{ "country" : "UK", "date" : ISODate("2011-03-01T00:00:00Z"), "prerelease" : true } ] }
{ "_id" : ObjectId("5ee4beb9e7c9ffae8cac32fd"), "title" : "The Amazing Spider-Man 2", "year" : 2014,
"genre" : [ "Action", "Adventure", "Fantasy" ], "actors" : [ "Stone, Emma", "Woodley, Shailene" ] }
> db.film.remove(title: /T/)
WriteResult({ "nRemoved" : 2 })
> db.film.find(title: /T/)
>

```

Indexing

Without index:


"executionTimeMillis" : 202

With index:

"executionTimeMillis" : 165

5.2 Movie mApp

The following screenshots are showing the results of different queries and usage of the Movie mApp. Please consider the source code for implementation details.

	Lehrveranstaltung	Databases and Information Systems 2020		
	Aufgabenzettel	5		
	STiNE-Gruppe 14	Simon Weidmann, Aram Yesildeniz		
	Ausgabe	9. Juni 2020	Abgabe	23. Juni 2020

Search Movie


[Map](#)
[Search](#)
[Queries](#)
[Tweets](#)

Search for Movie and Its Tweets

Movie

Title Ocean Ave.

Poster




[Import Poster from IMDb](#)

[Upload](#) [Choose File](#) No file chosen

Load Poster

Title Ocean Ave.

Poster



[Upload](#) [Choose File](#) No file chosen

Change Comment

Comment

Editable. You can edit and save this comment.

this is a new comment

[Saved](#)

Rating

Query the Movie Database

Query


Parameter

Result Limit

Show 25 search results per page Filter search results:

Title	Year	Rating	Votes	Genre	Runtime	Movie	Tweets	More
Band of Brothers	2001	9.6	101491	Action, Adventure, Drama, History, War	705	true	2	Details
Cosmos	1980	9.5	3655	Documentary	60	true	0	Details
The Civil War	1990	9.5	2870	Documentary, History, War	USA:680	true	0	Details
The Wire	2002-2008	9.6	60616	Crime, Drama, Mystery, Thriller	60	true	1	Details
The World at War	1973	9.6	3283	Documentary, History, War	52	true	0	Details

Showing 1 to 5 of 5 entries [Previous](#) [Next](#)

	Lehrveranstaltung	Databases and Information Systems 2020		
	Aufgabenzettel	5		
	STiNE-Gruppe 14	Simon Weidmann, Aram Yesildeniz		
	Ausgabe	9. Juni 2020	Abgabe	23. Juni 2020

Search Title Prefix

Query the Movie Database

Query:

Parameter:

Result Limit:

Show: search results per page

Filter search results:

Title	Year	Rating	Votes	Genre	Runtime	Movie	Tweets	More
Test	2000	6	38	Animation, Drama, Short	7	true	0	Details
Test	2005	5	12	Comedy, Romance, Short	France:12	true	0	Details
Test	2007	5.9	15	Drama, Short	Spain:12	true	0	Details
Test Australia: The National IQ Test 2003	2003	1	14	Documentary	Australia:180	true	0	Details
Test Day	2005	7.4	16	Comedy, Short	USA:4:30	true	0	Details

Showing 1 to 5 of 5 entries

◀ Previous Next ▶

Tweet Keyword

Query the Movie Database

Query:

Parameter:

Result Limit:

Show: search results per page

Filter search results:

Title	Year	Rating	Votes	Genre	Runtime	Movie	Tweets	More
Avatar	1916	5.8	23	Drama		true	130	Details
Avatar	2003	3	39	Action, Sci-Fi, Short	UK:9	true	130	Details
Avatar	2004	4.4	456	Action, Drama, Sci-Fi, Thriller	USA:103	true	130	Details
Avatar	2005	6.9	60	Drama, Short	Spain:15	true	130	Details
Avatar	2008	4.2	12	Sci-Fi, Short	Australia:5	true	130	Details
Avatar	2009	8	437626	Action, Adventure, Fantasy, Sci-Fi	162, 1711178	true	130	Details
Iron Man	1931	6.5	81	Drama	73	true	107	Details
Star Trek	1966-1969	8.4	18074	Adventure, Sci-Fi	50	true	103	Details
Star Trek	1966	7.6	2048	Sci-Fi	64, Argentina:60	false	103	Details
Star Trek	1973-1975	7.5	1843	Adventure, Animation, Family, Sci-Fi	30	true	103	Details

Showing 1 to 10 of 10 entries

◀ Previous Next ▶

Search by Genre

Query the Movie Database

Query:

Parameter:

Result Limit:


Show: search results per page

Filter search results:

Title	Year	Rating	Votes	Genre	Runtime	Movie	Tweets	More
5 Dark Souls	1996	6.4	24	Action, Crime, Horror, Thriller	94	true	0	Details
Acid Bath	2006	4.1	8	Action, Crime, Horror, Thriller	USA:76	true	0	Details
Acid Head: The Buzzard Nuts County Slaughter	2011	8.3	8	Action, Crime, Horror, Music, Thriller	145	true	0	Details
Baccano!	2007-2008	8.5	848	Action, Adventure, Animation, Comedy, Crime, Fantasy, Horror, Thriller	Japan:25	true	0	Details
Spawn	1997-1999	8.2	2265	Action, Animation, Crime, Drama, Fantasy, Horror, Thriller	30	true	0	Details

Showing 1 to 5 of 5 entries

◀ Previous Next ▶

	Lehrveranstaltung	Databases and Information Systems 2020		
	Aufgabenzettel	5		
	STiNE-Gruppe 14	Simon Weidmann, Aram Yesildeniz		
	Ausgabe	9. Juni 2020	Abgabe	23. Juni 2020

Movie Tweets

Query the Movie Database

Query:

Parameter:

Result Limit:

Show: search results per page Filter search results:

Title	Year	Rating	Votes	Genre	Runtime	Movie	Tweets	More
Back to the Future	1991-1993	6.5	583	Adventure, Animation, Family, Sci-Fi	USA:23	true	18	Details
Band of Brothers	2001	9.6	101491	Action, Adventure, Drama, History, War	705	true	2	Details
Batman	1966-1968	7.5	4316	Action, Adventure, Comedy, Crime, Family, Fantasy, Mystery, Sci-Fi	30	true	28	Details
Batman	1992-1995	9	15876	Action, Animation, Crime, Drama, Family, Fantasy, Mystery, Thriller	22	true	28	Details
South Park	1997-????	9	90268	Animation, Comedy	30, Finland:22	true	4	Details
South Park	????	8.5	782	Animation		false	4	Details

FTS

Query Tweets

Query:


Parameter:

Result Limit:

Show: search results per page Filter search results:

User	Tweet	Created at	Coordinates
Appalachian Son	LIVE: President Obama Visited Chicago And He Got This Surprise http://t.co/yFxb593xobp via @moveon	Wed May 29 15:26:00 +0000 2013	
Evan	So my warehouse employees, who never needs to go see doctors, regret re-electing Obama knowing 2014. They need their money. #obamacare	Wed May 29 15:29:05 +0000 2013	
Jim	Obama Signs Fundraising Email for 'Non-Partisan' Organizing for Action http://t.co/AMNOZ5H93 via @sharethis	Wed May 29 15:25:15 +0000 2013	
Lindsay Malbec	First news reporters mistake Oklahoma as North Carolina, now Obama can't remember the town of Moore and calls it Monroe. #yourekidding	Wed May 29 14:47:43 +0000 2013	
Pam Anderson	What If Obama Signs the UN Arms Trade Treaty? - Freedom Outpost http://t.co/sRXc6WBxt	Tue Jun 04 10:22:48 +0000 2013	
Tim Schmoyer	RT @Militarydotcom: Obama Signs New Stolen Valor Act: http://t.co/g2KeQh9nsc	Tue Jun 04 11:25:05 +0000 2013	

Showing 1 to 6 of 6 entries [Previous](#) [Next](#)

	Lehrveranstaltung	Databases and Information Systems 2020		
	Aufgabenzettel	5		
	STiNE-Gruppe 14	Simon Weidmann, Aram Yesildeniz		
	Ausgabe	9. Juni 2020	Abgabe	23. Juni 2020

Newest Tweets

Query Tweets

Query

Parameter

Result Limit

Show search results per page Filter search results:

User	Tweet	Created at	Coordinates
esra okyay	RT @taylorswift13: Filing this under 'never in my wildest dreams'. Thank you @RollingStones for inviting me to Chicago to sing with you. http://t.co/...	Tue Jun 04 11:27:24 +0000 2013	
P.O.K.	@tomashirstmoney hmm, end of credit super cycle = unknown. Allocate and automate for pension yes but less confident over 5 years.	Tue Jun 04 11:27:25 +0000 2013	
ShaunyVineshXx	RT @MrsAnneTwist: We're road tripping in the sunshine with @sarajcox @BBCR1 supplying the entertainment !! Hi Sara! Love from Anne & Robin http://t.co/...	Tue Jun 04 11:27:25 +0000 2013	
Slackpile	Razer puts 14-inch Blade up for pre-order - Razer teased us when it unveiled the 14-inch Blade last week: a rare b... http://t.co/...	Tue Jun 04 11:27:24 +0000 2013	
St Patricks Festival	RT @lovelivemusicIE: Call for musicians for a music event in @MeetingHouseSq June 21 for Love:Live Music Day. Spread word like d sunshine! http://t.co/...	Tue Jun 04 11:27:25 +0000 2013	

Showing 1 to 5 of 5 entries [Previous](#) [Next](#)