MongoDB Compass cheat sheet

Docs for queries: https://docs.mongodb.com/manual/reference/operator/query/

Basic query structure: { field1: “arguments”, field2: “arguments” }

Logical operators

	Operator	**Example**

AND	$and	{$and:[{borough: "Queens"}, {cuisine: "American"}]}
		
		Equivalent to:
		{borough: “Queens”, cuisine: “American”}

OR	$or	{$or:[{borough: “Queens”}, {cuisine: “American”}]}
NOT	$ne	{cuisine: {$ne:”American”}}
	$eq	{cuisine: {$eq:”American”}}
	$nin	{cuisine: {$nin: [“Hamburgers”,”Bakery”]}}
	$in	{cuisine: {$in: [“Hamburgers”,”Bakery”]}}
	$exists	{cuisine:{$exists: false}}

Comparison query operators

	Operator	**Example**
>	$gt	{runtime: {$gt: 60}}
≥	$gte	{runtime: {$gte: 60}}
<	$lt	{runtime: {$lt: 60}}
≤	$lte	{runtime: {$lte: 60}}

String query

	Operator	**Example**

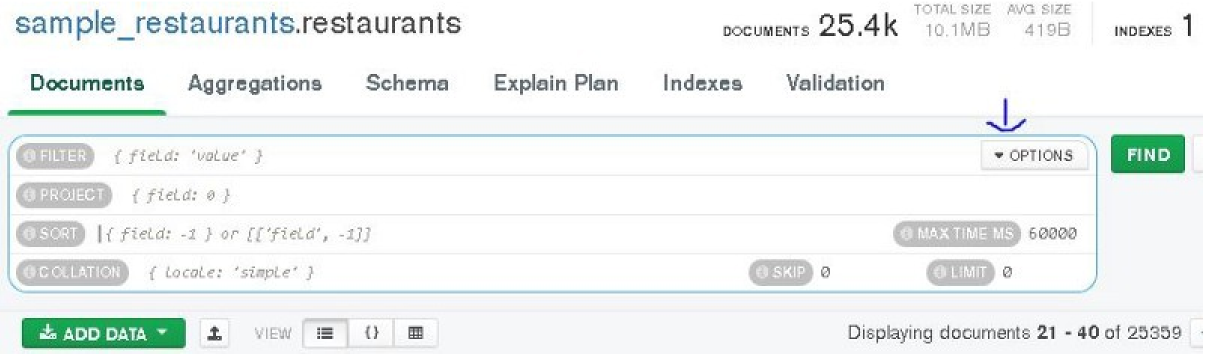
Simple match	n/a	Gets all Document with “cuisine” field that exactly contains “Chinese”
		{cuisine: “Chinese”}
		
		Combine with $in or $nin to match multiple exact matches. E.g. to get all Document that have cuisine !== Chinese and American:
		{cuisine: {$nin: [“Chinese”,”American”]}}

Regex	$regex: Pattern to match $options: Flags. Ref. Ref for $regex settings available	Gets all entries that have “cuisine” containing the letters “amer” e.g. american. Flags used: g: Global. Matches anywhere in ‘cuisine’ filed i: Case insensitive {cuisine: {regex:/amer/, settings:”gi”}} Matches entries in ‘cuisine’ field that start with ‘american’ {cuisine: {regex:/^amer/}}

Querying objects and arrays

	Operation	Example
Objects	Get Documents with specified value of field in object	{"tomatoes.viewer.rating": 3}
Arrays	Get value of array at specified index	{"genres.0":"Drama"}
	Get all objects in an array field containing the specified value	{"genres":"Comedy"}
	Get all Documents that have an object in an array field that has the specified values	{“scores.type”:”exam”, “scores.score”:{$gt: 90}}

Search options in MongoDB Compass



FILTER { field: 'value' }
PROJECT { field: 0 }
SORT { field: -1 } or [['field', -1]]
MAX TIME MS 60000
COLLATION { locale: 'simple' }
SKIP 0
LIMIT 0
Displaying documents 21 - 40 of 25359

PROJECT	Removes fields from the query result. Useful in large Collections containing Documents with many fields because it helps speed up the query because it reduces the size of all returned Documents. Set to “0” to exclude a field, “1” to include just it
SORT	What this does depends on the target field’s value type. The value of each field for SORT can be either “1” or “-1" • If the value is a Date, SORT arranges Documents by the earliest/latest date of the field • If the value is a String, SORT arranges Documents in by the field’s string value in alphabetical order • If the value is a number, SORT arranges by increasing/decreasing number
LIMIT	Specifies the maximum number of Documents to return
SKIP	Specifies how many Documents to skip from the search result starting from the first Document
MAX TIME MS	Specifies the maximum time in miliseconds to run the query
COLLATION	Allow setting language-specific rules for string comparison, such as rules for lettercase and accent marks