



## MongoDB Physical Model

### Schema for:

Model name: todo-app

Author:

Version:

File name: ToDoApp\_Mongo.hck.json

File path: \\wsl.localhost\Ubuntu\home\satonaka\todo-app\docs\ToDoApp\_Mongo.hck.json

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Created with: [Hackolade](#) - Polyglot data modeling for NoSQL databases, storage formats, REST APIs, and JSON in RDBMS

### 1. Model

### 2. Databases

2.1 todo-db

[2.1.2. Collections](#)

2.1.2.1 task

## 1. MODEL

### 1.1 Model todo-app

#### 1.1.1 todo-app Entity Relationship Diagram



1.1.2 todo-app Properties

1.1.2.1 Details tab

PROPERTY	VALUE
Model name	todo-app
Technical name	
Description	
Author	
Version	
Target	MongoDB
DB version	v7.x
Synchronization Id	
Lineage capture	
Polyglot models	
Comments	

1.1.2.2 Options tab

PROPERTY	VALUE
Color	

1.1.3 todo-app DB Definitions

2. DATABASES

2.1 Database todo-db



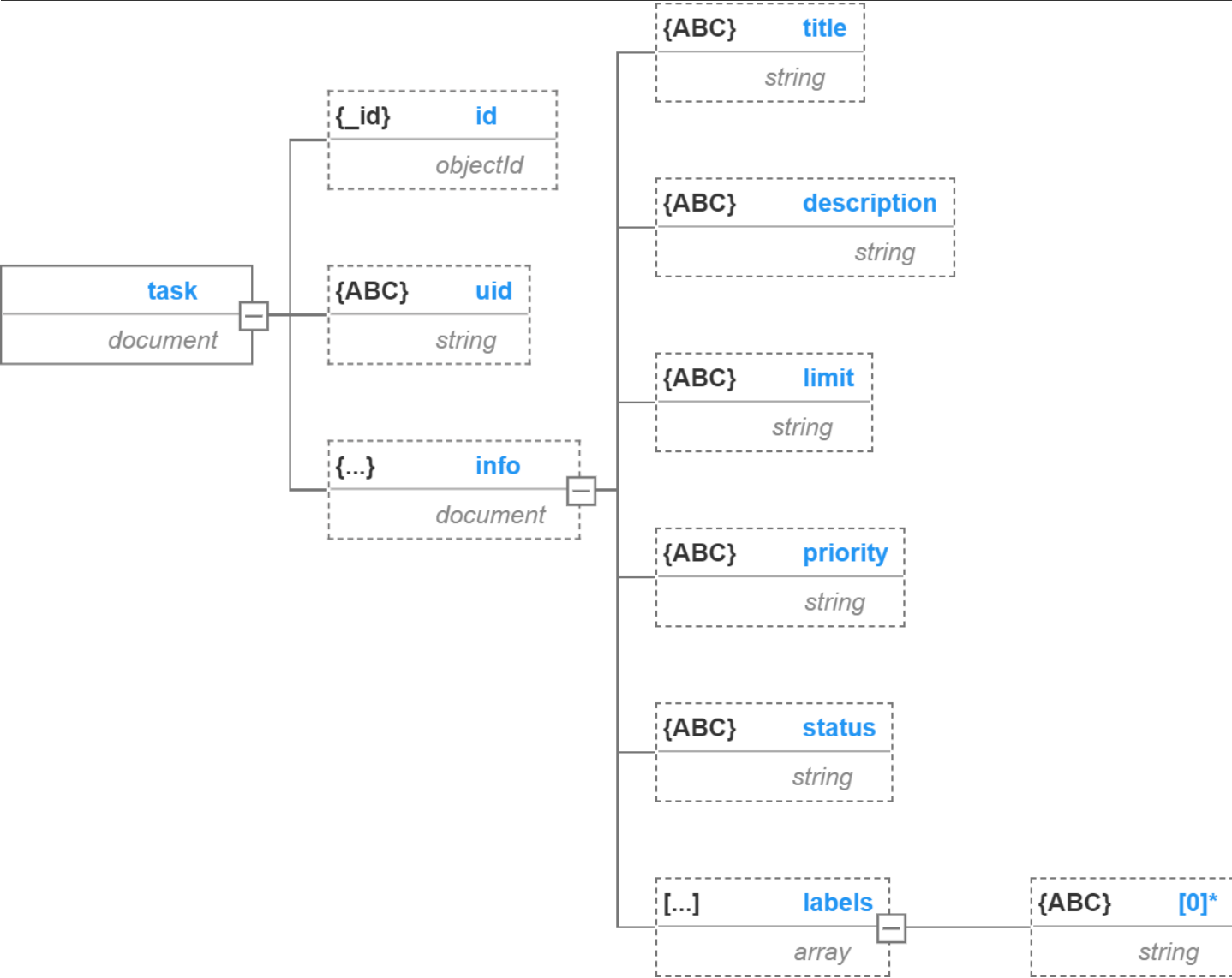
2.1.1 todo-db Properties

PROPERTY	VALUE
Database name	todo-db
Technical name	
Activated	true
Enable sharding	
Description	
Comments	

2.1.2 todo-db Collections

2.1.2.1 Collection task

2.1.2.1.1 task Tree Diagram



2.1.2.1.2 task Properties

PROPERTY	VALUE
Collection name	task
Technical name	
Activated	true
Id	
\$ref	
Description	
Database	todo-db
Capped	
Time series	
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Encryption metadata	
Additional properties	false
<b>Workload analysis</b>	
[1] Actor	
Description	
Number of documents	
Avg document size (Bytes)	
Read-to-Write ratio	
Keep forever	
Retention (months)	
Write operations	
Read operations	
Comments	

### 2.1.2.1.3 task Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
id	objectId	false			
uid	string	false			
info	document	false			
title	string	false			
description	string	false			
limit	string	false			
priority	string	false			
status	string	false			
labels	array	false			
[0]	string	false			

#### 2.1.2.1.3.1 Field id

2.1.2.1.3.1.1 id Tree Diagram



2.1.2.1.3.1.2 id properties

PROPERTY	VALUE
Name	id
Technical name	
Activated	true
Id	
Field-level encryption	
Type	objectId
Description	
Dependencies	
Required	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Default	
Sample	
Comments	

2.1.2.1.3.2 Field uid

2.1.2.1.3.2.1 uid Tree Diagram



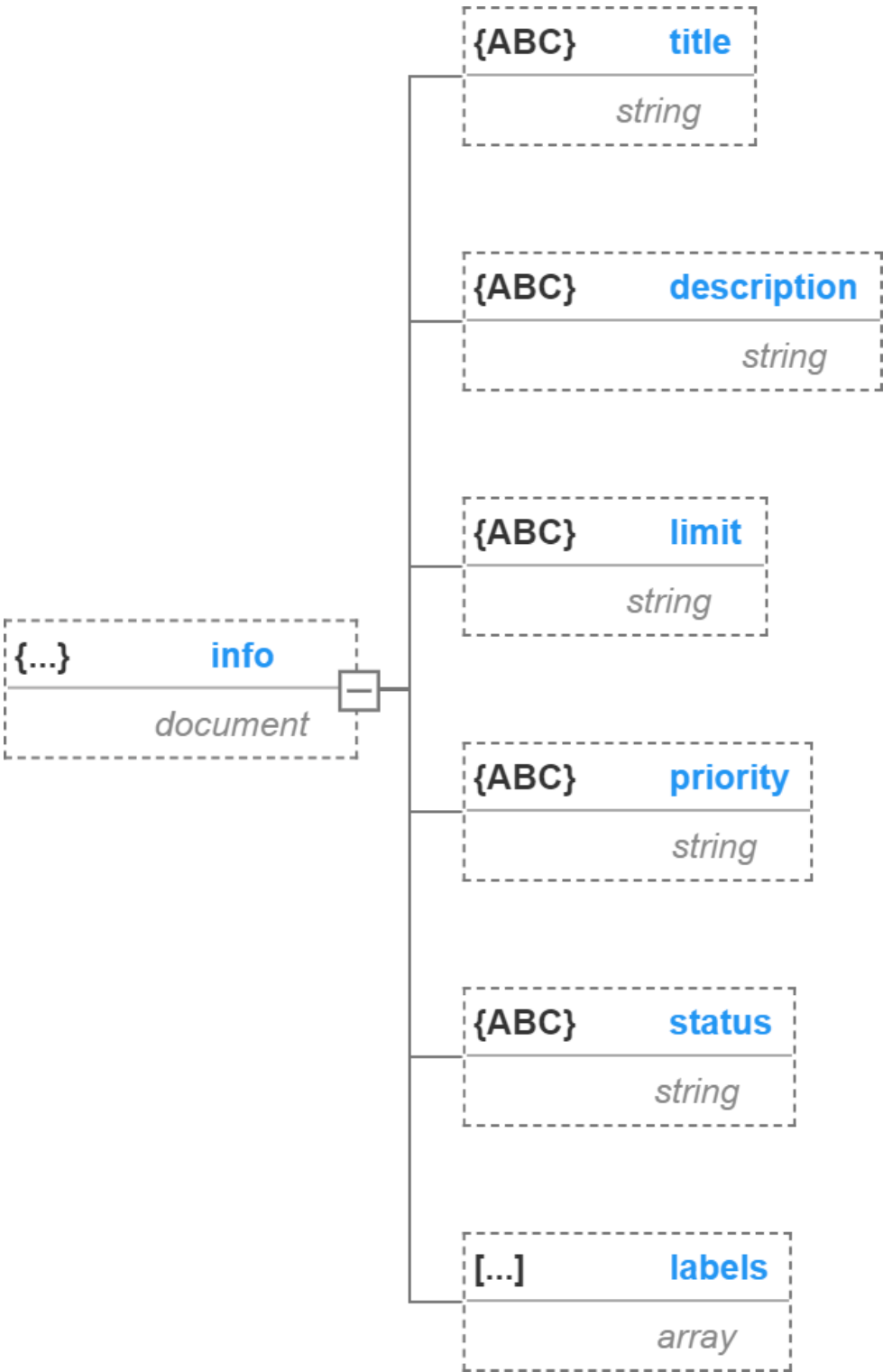
2.1.2.1.3.2.2 uid properties

PROPERTY	VALUE
Name	uid
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.3 Field info



2.1.2.1.3.3.1 info Tree Diagram



2.1.2.1.3.3.2 info Hierarchy

Parent field: **task**  
Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
title	string	false			
description	string	false			
limit	string	false			
priority	string	false			
status	string	false			
labels	array	false			

2.1.2.1.3.3.3 info properties

PROPERTY	VALUE
Name	info
Technical name	
Activated	true
Id	
Field-level encryption	
Type	document
Description	
Dependencies	
Required	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
DBRef	
Min Properties	
Max Properties	
Additional properties	false
Comments	

2.1.2.1.3.4 Field title

2.1.2.1.3.4.1 title Tree Diagram



2.1.2.1.3.4.2 title properties

PROPERTY	VALUE
Name	title
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.5 Field description

2.1.2.1.3.5.1 description Tree Diagram



2.1.2.1.3.5.2 description properties

PROPERTY	VALUE
Name	description
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.6 Field limit

2.1.2.1.3.6.1 limit Tree Diagram

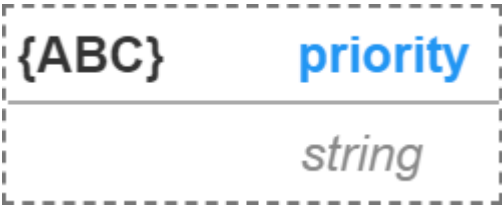


2.1.2.1.3.6.2 limit properties

PROPERTY	VALUE
Name	limit
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.7 Field priority

2.1.2.1.3.7.1 priority Tree Diagram



2.1.2.1.3.7.2 priority properties

PROPERTY	VALUE
Name	priority
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.8 Field status

2.1.2.1.3.8.1 status Tree Diagram

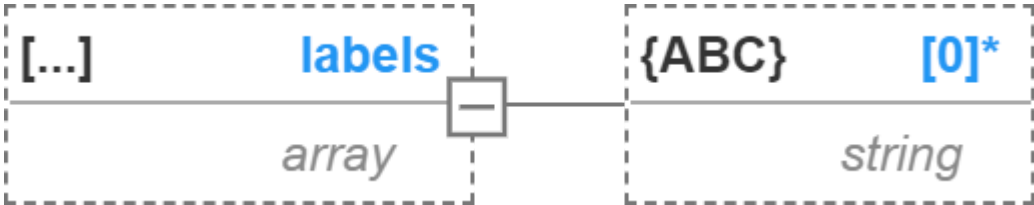


2.1.2.1.3.8.2 status properties

PROPERTY	VALUE
Name	status
Technical name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Required	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.3.9 Field labels

2.1.2.1.3.9.1 labels Tree Diagram



2.1.2.1.3.9.2 labels Hierarchy

Parent field: info  
Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	string	false			

2.1.2.1.3.9.3 labels properties

PROPERTY	VALUE
Name	labels
Technical name	
Activated	true
Id	
Field-level encryption	
Type	array
Description	
Dependencies	
Required	
Primary key	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min items	
Max items	
Unique items	
Additional items	true
Quantification	
Comments	

2.1.2.1.3.10 Field [0]

2.1.2.1.3.10.1 [0] Tree Diagram





2.1.2.1.3.10.2 [0] properties

PROPERTY	VALUE
Display name	
Activated	true
Id	
Field-level encryption	
Type	string
Description	
Format	
Pattern	
Min length	
Max length	
Default	
Enum	
Primary key	
Dependencies	
Foreign collection	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Faker function	
Sample	
Comments	

2.1.2.1.4 task JSON Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "type": "object",
  "title": "task",
  "properties": {
    "id": {
      "type": "string",
      "pattern": "^[a-zA-F0-9]{24}$"
    },
    "uid": {
      "type": "string"
    },
    "info": {
      "type": "object",
      "properties": {
        "title": {
          "type": "string"
        },
        "description": {
          "type": "string"
        },
        "limit": {
          "type": "string"
        },
        "priority": {
          "type": "string"
        },
        "status": {
          "type": "string"
        },
        "labels": {
          "type": "array",
          "additionalItems": true,
          "items": {
            "type": "string"
          }
        }
      },
      "additionalProperties": false
    }
  },
  "additionalProperties": false
}
```

#### 2.1.2.1.5 task JSON data

```
{
  "id": ObjectId("fbdd7ab7f92c0fc9fe839feb"),
  "uid": "Lorem",
  "info": {
    "title": "Lorem",
    "description": "Lorem",
    "limit": "Lorem",
    "priority": "Lorem",
    "status": "Lorem",
    "labels": [
      "Lorem"
    ]
  }
}
```