MongoDB Physical Model

Schema for:

1. MODEL

1.1 Model FightPandemics

1.1.1 FightPandemics Entity Relationship Diagram
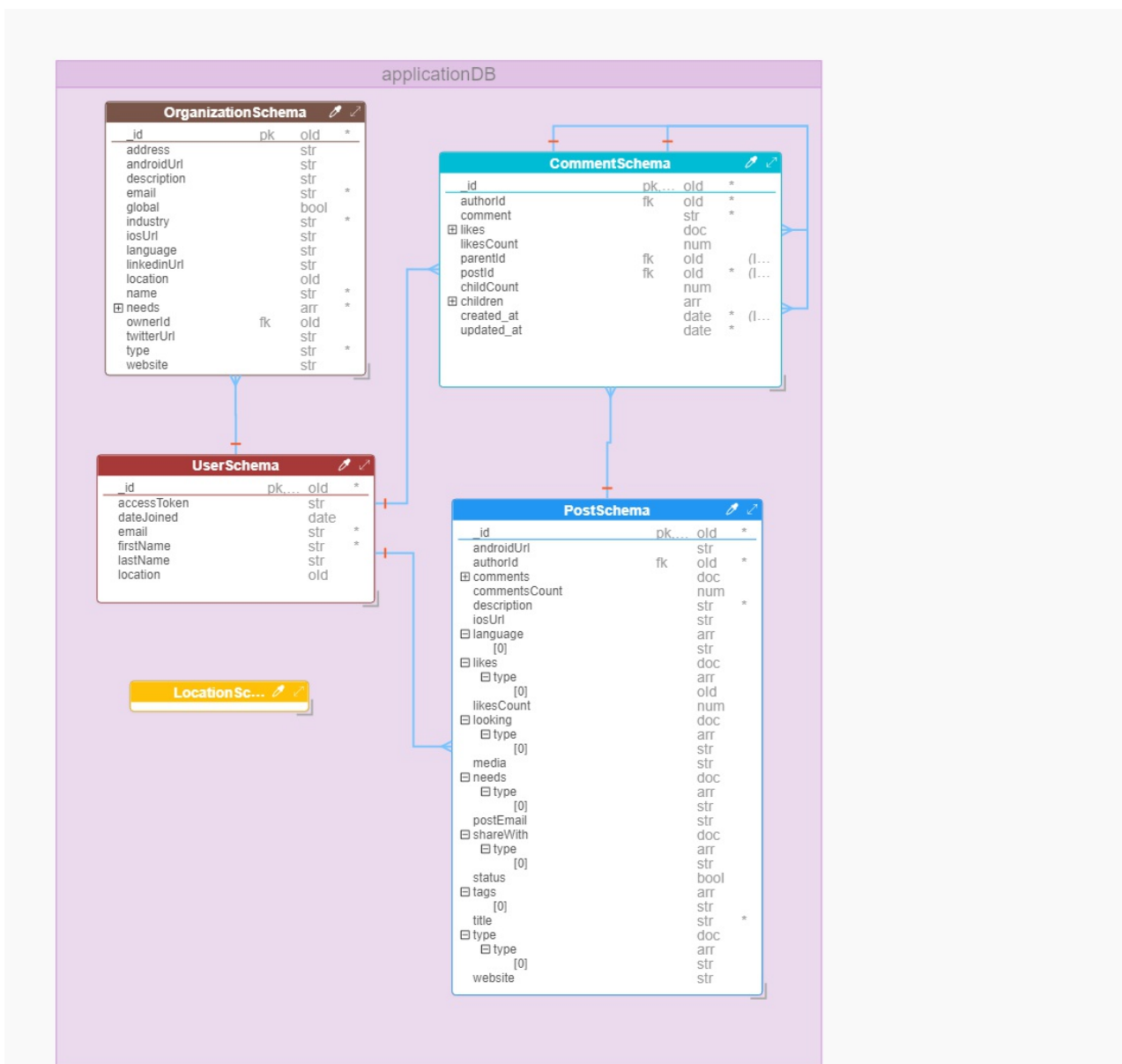
1.1.2 FightPandemics Properties

PROPERTY	VALUE
Model name	FightPandemics
Technical name	
Description	
Author	
Version	
DB vendor	MongoDB
DB version	v4.2
Comments	

1.1.3 FightPandemics DB Definitions

2. DATABASES

2.1 Database applicationDB
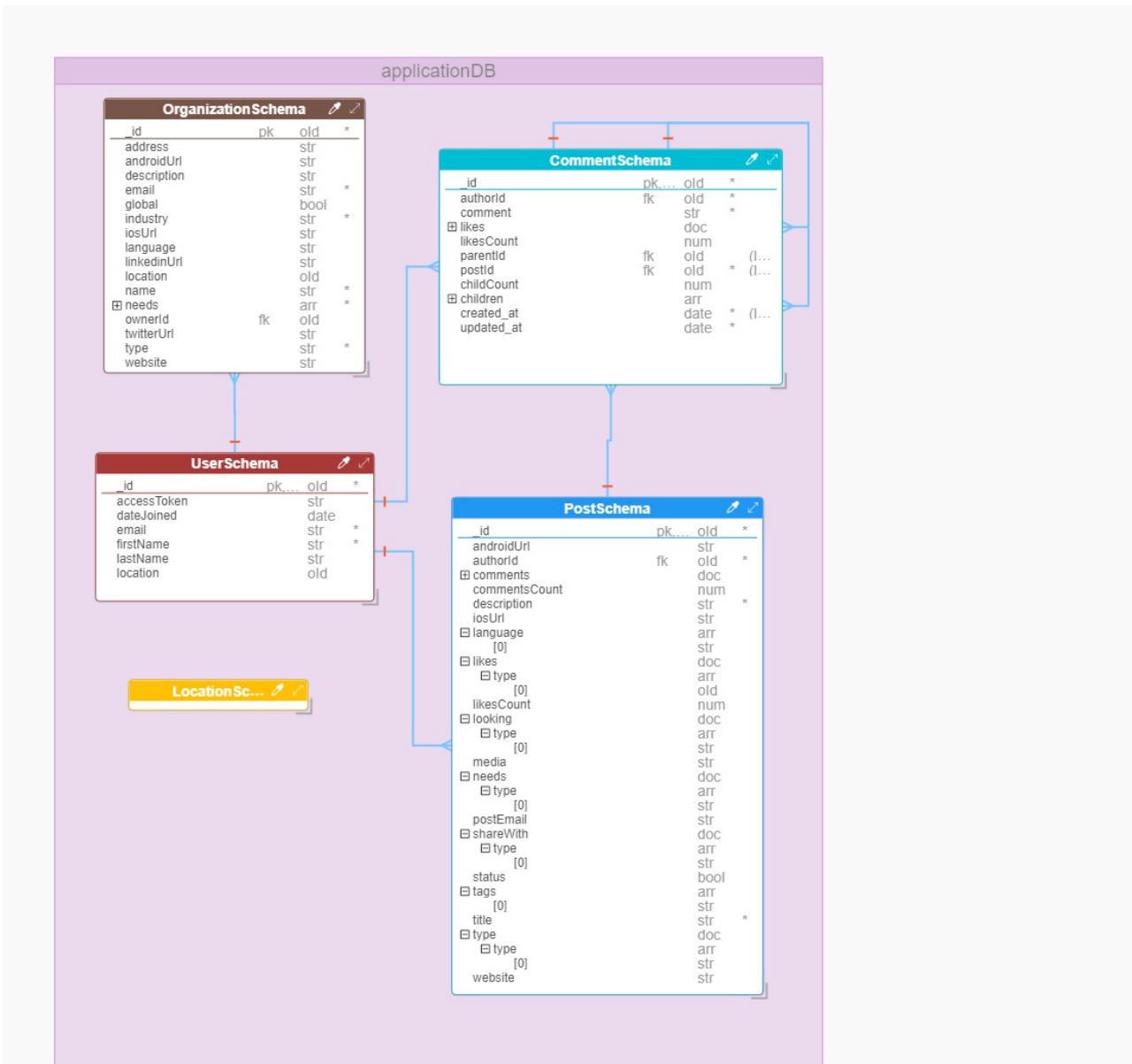
2.1.1 applicationDB Properties

PROPERTY	VALUE
Database name	applicationDB
Technical name	
Enable sharding	
Description	
Comments	

2.1.2 applicationDB Collections

2.1.2.1 Collection CommentSchema

2.1.2.1.1 CommentSchema Tree Diagram
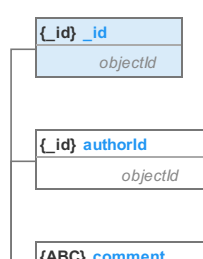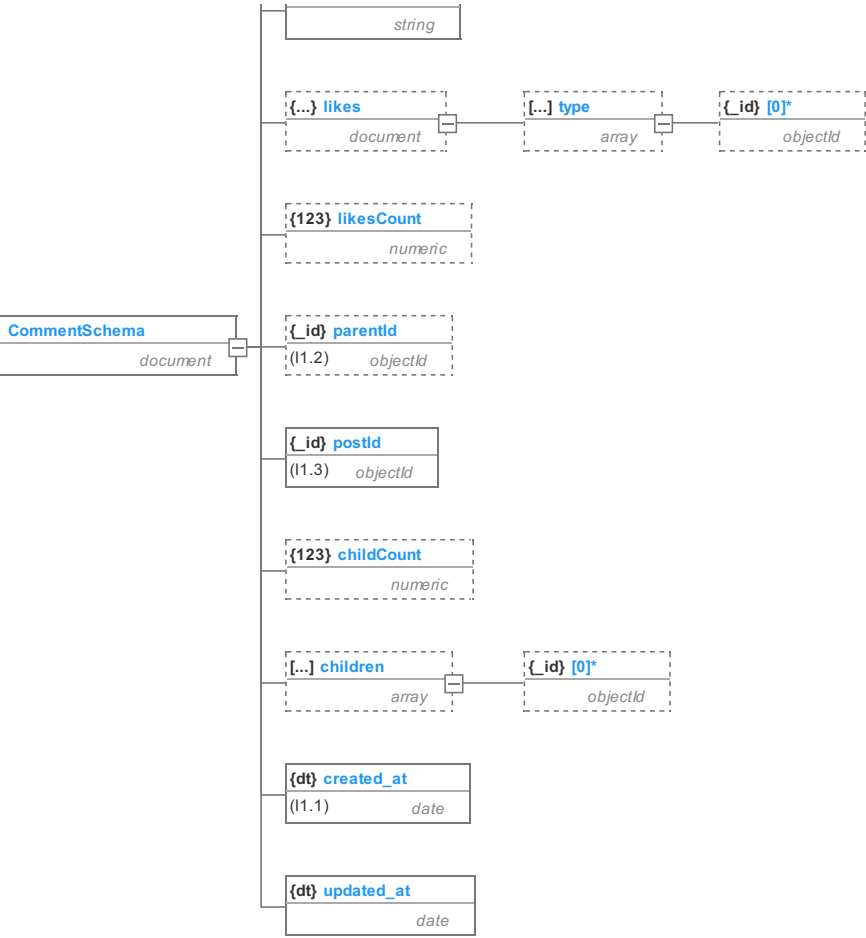
2.1.2.1.2 CommentSchema Properties

PROPERTY	VALUE
Collection name	CommentSchema
Technical name	
Id	
Description	
Database	applicationDB
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.1.3 CommentSchema Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true			
authorId	objectId	true			
comment	string	true			
likes	document	false			
type	array	false			
[0]	objectId	false			
likesCount	numeric	false			
parentId	objectId	false			
postId	objectId	true			
childCount	numeric	false			
children	array	false			
[0]	objectId	false		Array of embedded documents with nested comments.	
created_at	date	true			
updated_at	date	true			

2.1.2.1.3.1 Field _id

2.1.2.1.3.1.1 _id Tree Diagram

{_id} _id
document

2.1.2.1.3.1.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Id	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.1.3.2 Field authorId

2.1.2.1.3.2.1 authorId Tree Diagram

{_id} authorId
document

2.1.2.1.3.2.2 authorId properties

PROPERTY	VALUE
Name	authorId
Technical name	
Id	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	UserSchema
Foreign field	_id
Relationship type	Foreign Key
Default	
Sample	
Comments	

2.1.2.1.3.3 Field comment

2.1.2.1.3.3.1 comment Tree Diagram

{ABC} comment
document

2.1.2.1.3.3.2 comment properties

PROPERTY	VALUE
Name	comment
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.1.3.4 Field likes

2.1.2.1.3.4.1 likes Tree Diagram

```
{...} likes            [...] type
      document               array
```

2.1.2.1.3.4.2 likes Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
type	array	false			

2.1.2.1.3.4.3 likes properties

PROPERTY	VALUE
Name	likes
Technical name	
Id	
Type	document
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
DBRef	
Min Properties	
Max Properties	
Additional properties	false
Comments	

2.1.2.1.3.5 Field type

2.1.2.1.3.5.1 type Tree Diagram

```
[...] type             {_id} [0]*
      document               objectId
```
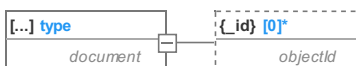
2.1.2.1.3.5.2 type Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	objectId	false			

2.1.2.1.3.5.3 type properties

PROPERTY	VALUE
Name	type
Technical name	
Id	
Type	array
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Min items	
Max items	
Unique items	false
Additional items	true
Comments	

2.1.2.1.3.6 Field [0]

2.1.2.1.3.6.1 [0] Tree Diagram

```
{_id} [0]
        document
```

2.1.2.1.3.6.2 [0] properties

PROPERTY	VALUE
Id	
Type	objectId
Description	
Dependencies	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.1.3.7 Field likesCount

2.1.2.1.3.7.1 likesCount Tree Diagram

```
{123} likesCount
        document
```

2.1.2.1.3.7.2 likesCount properties

PROPERTY	VALUE
Name	likesCount
Technical name	
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.1.3.8 Field parentId

2.1.2.1.3.8.1 parentId Tree Diagram

```
{_id}  parentId
(I1.2)     document
```

2.1.2.1.3.8.2 parentId properties

PROPERTY	VALUE
Name	parentId
Technical name	
Id	
Type	objectId
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	CommentSchema
Foreign field	_id
Relationship type	Foreign Key
Default	
Sample	
Comments	

2.1.2.1.3.9 Field postId

2.1.2.1.3.9.1 postId Tree Diagram

```
{_id}  postId
(I1.3)     document
```

2.1.2.1.3.9.2 postId properties

PROPERTY	VALUE
Name	postId
Technical name	
Id	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	PostSchema
Foreign field	_id
Relationship type	Foreign Key
Default	
Sample	
Comments	

2.1.2.1.3.10 Field childCount

2.1.2.1.3.10.1 childCount Tree Diagram

```
{123} childCount
            document
```

2.1.2.1.3.10.2 childCount properties

PROPERTY	VALUE
Name	childCount
Technical name	
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.1.3.11 Field children

2.1.2.1.3.11.1 children Tree Diagram

```
[...] children          {_id} [0]*
      document              objectId
```
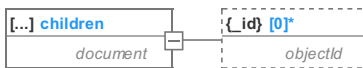
2.1.2.1.3.11.2 children Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	objectId	false	fk	Array of embedded documents with nested comments.	

2.1.2.1.3.11.3 children properties

PROPERTY	VALUE
Name	children
Technical name	
Id	
Type	array
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Min items	
Max items	
Unique items	false
Additional items	true
Comments	

2.1.2.1.3.12 Field [0]

2.1.2.1.3.12.1 [0] Tree Diagram

```
{_id} [0]
      document
```

2.1.2.1.3.12.2 [0] properties

PROPERTY	VALUE
Id	
Type	objectId
Description	Array of embedded documents with nested comments.
Dependencies	
Primary key	false
Foreign collection	CommentSchema
Foreign field	_id
Relationship type	Foreign Key
Default	
Sample	
Comments	

2.1.2.1.3.13 Field created_at

2.1.2.1.3.13.1 created_at Tree Diagram

{dt} created_at
(I1.1)   *document*

2.1.2.1.3.13.2 created_at properties

PROPERTY	VALUE
Name	created_at
Technical name	
Id	
Type	date
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.1.3.14 Field updated_at

2.1.2.1.3.14.1 updated_at Tree Diagram

{dt} updated_at
                 document

2.1.2.1.3.14.2 updated_at properties

PROPERTY	VALUE
Name	updated_at
Technical name	
Id	
Type	date
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.1.4 CommentSchema Indexes

PROPERTY	NEW INDEX
Name	New Index
Key	created_at('ascending'), parentId('ascending'), postId('ascending')
Hashed	
Unique	
Drop duplicates	
Sparse	
Background indexing	
Partial filter exp	
Expire after (seconds)	
Storage engine	WiredTiger
Comments	

2.1.2.2 Collection LocationSchema

2.1.2.2.1 LocationSchema Tree Diagram

LocationSchema
document

2.1.2.2.2 LocationSchema Properties

PROPERTY	VALUE
Collection name	LocationSchema
Technical name	
Id	
Description	
Database	applicationDB
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.2.3 LocationSchema Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS

2.1.2.3 Collection OrganizationSchema

2.1.2.3.1 OrganizationSchema Tree Diagram

{_id} _id
objectId

{ABC} address
string

{ABC} androidUrl
string

{ABC} description
string

{ABC} email
string

{0/1} global
boolean

```
                              {ABC} industry
                                       string

                              {ABC} iosUrl
                                       string

 OrganizationSchema           {ABC} language
        document                       string

                              {ABC} linkedinUrl
                                       string

                              {_id} location
                                       objectId

                              {ABC} name
                                       string

                              [...] needs
                                       array

                              {_id} ownerId
                                       objectId

                              {ABC} twitterUrl
                                       string

                              {ABC} type
                                       string

                              {ABC} website
                                       string
```
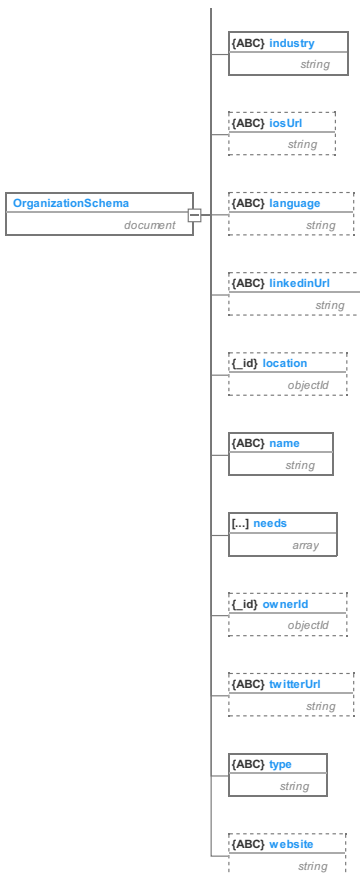
2.1.2.3.2 OrganizationSchema Properties

PROPERTY	VALUE
Collection name	OrganizationSchema
Technical name	
Id	
Description	
Database	applicationDB
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.3.3 OrganizationSchema Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true			
address	string	false			
androidUrl	string	false			
description	string	false			
email	string	true			
global	boolean	false			
industry	string	true			
iosUrl	string	false			
language	string	false			
linkedinUrl	string	false			
location	objectId	false			
name	string	true			
needs	array	true			
ownerId	objectId	false			
twitterUrl	string	false			
type	string	true			
website	string	false			

2.1.2.3.3.1 Field address

2.1.2.3.3.1.1 address Tree Diagram

{ABC} address
document

2.1.2.3.3.1.2 address properties

PROPERTY	VALUE
Name	address
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.3.3.2 Field androidUrl

2.1.2.3.3.2.1 androidUrl Tree Diagram

{ABC} androidUrl
document

2.1.2.3.3.2.2 androidUrl properties

PROPERTY	VALUE
Name	androidUrl
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.3.3.3 Field description

2.1.2.3.3.3.1 description Tree Diagram

{ABC} description
document

2.1.2.3.3.3.2 description properties

PROPERTY	VALUE
Name	description
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.3.3.4 Field email

2.1.2.3.3.4.1 email Tree Diagram

```
{ABC} email
         document
```

2.1.2.3.3.4.2 email properties

PROPERTY	VALUE
Name	email
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.3.3.5 Field global

2.1.2.3.3.5.1 global Tree Diagram

```
{0/1} global
         document
```

2.1.2.3.3.5.2 global properties

PROPERTY	VALUE
Name	global
Technical name	
Id	
Type	boolean
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.3.3.6 Field industry

2.1.2.3.3.6.1 industry Tree Diagram

{ABC} industry
document

2.1.2.3.3.6.2 industry properties

PROPERTY	VALUE
Name	industry
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.3.3.7 Field iosUrl

2.1.2.3.3.7.1 iosUrl Tree Diagram

{ABC} iosUrl
document

2.1.2.3.3.7.2 iosUrl properties

PROPERTY	VALUE
Name	iosUrl
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.3.3.8 Field language

2.1.2.3.3.8.1 language Tree Diagram

{ABC} language
document

2.1.2.3.3.8.2 language properties

PROPERTY	VALUE
Name	language
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.3.3.9 Field linkedinUrl

2.1.2.3.3.9.1 linkedinUrl Tree Diagram

{ABC} linkedinUrl
document

2.1.2.3.3.9.2 linkedinUrl properties

PROPERTY	VALUE
Name	linkedinUrl
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.3.3.10 Field location

2.1.2.3.3.10.1 location Tree Diagram

{_id} **location**
document

2.1.2.3.3.10.2 location properties

PROPERTY	VALUE
Name	location
Technical name	
Id	
Type	objectId
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.3.3.11 Field name

2.1.2.3.3.11.1 name Tree Diagram

{ABC} **name**
document

2.1.2.3.3.11.2 name properties

PROPERTY	VALUE
Name	name
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.3.3.12 Field needs

2.1.2.3.3.12.1 needs Tree Diagram

```
[...] needs
        document
```

2.1.2.3.3.12.2 needs properties

PROPERTY	VALUE
Name	needs
Technical name	
Id	
Type	array
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Min items	
Max items	
Unique items	false
Additional items	true
Comments	

2.1.2.3.3.13 Field ownerId

2.1.2.3.3.13.1 ownerId Tree Diagram

```
{_id} ownerId
        document
```

2.1.2.3.3.13.2 ownerId properties

PROPERTY	VALUE
Name	ownerId
Technical name	
Id	
Type	objectId
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	UserSchema
Foreign field	_id
Relationship type	Foreign Key
Default	
Sample	
Comments	

2.1.2.3.3.14 Field twitterUrl

2.1.2.3.3.14.1 twitterUrl Tree Diagram

```
{ABC} twitterUrl
        document
```

2.1.2.3.3.14.2 twitterUrl properties

PROPERTY	VALUE
Name	twitterUrl
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.3.3.15 Field type

2.1.2.3.3.15.1 type Tree Diagram

{ABC} type
document

2.1.2.3.3.15.2 type properties

PROPERTY	VALUE
Name	type
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.3.3.16 Field website

2.1.2.3.3.16.1 website Tree Diagram

{ABC} website
document

2.1.2.3.3.16.2 website properties

PROPERTY	VALUE
Name	website
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.3.3.17 Field _id

2.1.2.3.3.17.1 _id Tree Diagram

{_id} _id
document

2.1.2.3.3.17.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Id	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.4 Collection PostSchema

2.1.2.4.1 PostSchema Tree Diagram

{_id} _id
objectId

{ABC} androidUrl
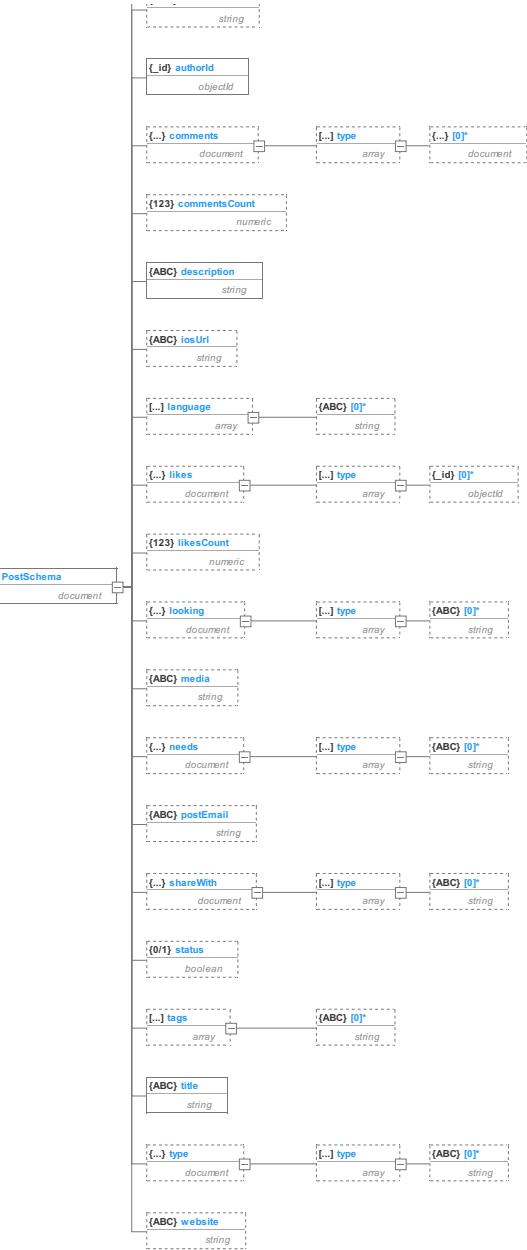
2.1.2.4.2 PostSchema Properties

PROPERTY	VALUE
Collection name	PostSchema
Technical name	
Id	
Description	
Database	applicationDB
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.4.3 PostSchema Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true			
androidUrl	string	false			
authorId	objectId	true			
comments	document	false			
type	array	false			
[0]	document	false			
commentsCount	numeric	false			
description	string	true			
iosUrl	string	false			
language	array	false			
[0]	string	false			
likes	document	false			
type	array	false			
[0]	objectId	false			
likesCount	numeric	false			
looking	document	false			
type	array	false			
[0]	string	false			
media	string	false			
needs	document	false			
type	array	false			
[0]	string	false			
postEmail	string	false			
shareWith	document	false			
type	array	false			
[0]	string	false			
status	boolean	false			
tags	array	false			
[0]	string	false			
title	string	true			
type	document	false			
type	array	false			
[0]	string	false			
website	string	false			

2.1.2.4.3.1 Field _id

2.1.2.4.3.1.1 _id Tree Diagram

{_id} _id
document

2.1.2.4.3.1.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Id	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.4.3.2 Field androidUrl

2.1.2.4.3.2.1 androidUrl Tree Diagram

{ABC} **androidUrl**

document

2.1.2.4.3.2.2 androidUrl properties

PROPERTY	VALUE
Name	androidUrl
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.4.3.3 Field authorId

2.1.2.4.3.3.1 authorId Tree Diagram

{_id} **authorId**

document

2.1.2.4.3.3.2 authorId properties

PROPERTY	VALUE
Name	authorId
Technical name	
Id	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	UserSchema
Foreign field	_id
Relationship type	Foreign Key
Default	
Sample	
Comments	

2.1.2.4.3.4 Field comments

2.1.2.4.3.4.1 comments Tree Diagram
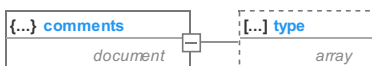
2.1.2.4.3.4.2 comments Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
type	array	false			

2.1.2.4.3.4.3 comments properties

PROPERTY	VALUE
Name	comments
Technical name	
Id	
Type	document
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
DBRef	
Min Properties	
Max Properties	
Additional properties	false
Comments	

2.1.2.4.3.5 Field type

2.1.2.4.3.5.1 type Tree Diagram

2.1.2.4.3.5.2 type Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	document	false			

2.1.2.4.3.5.3 type properties

PROPERTY	VALUE
Name	type
Technical name	
Id	
Type	array
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Min items	
Max items	
Unique items	false
Additional items	true
Comments	

2.1.2.4.3.6 Field [0]

2.1.2.4.3.6.1 [0] Tree Diagram

2.1.2.4.3.6.2 [0] properties

PROPERTY	VALUE
Id	
Type	document
Description	
Dependencies	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
DBRef	
Min Properties	
Max Properties	
Additional properties	false
Comments	

2.1.2.4.3.7 Field commentsCount

2.1.2.4.3.7.1 commentsCount Tree Diagram

{123} commentsCount
document

2.1.2.4.3.7.2 commentsCount properties

PROPERTY	VALUE
Name	commentsCount
Technical name	
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.4.3.8 Field description

2.1.2.4.3.8.1 description Tree Diagram

{ABC} description
document

2.1.2.4.3.8.2 description properties

PROPERTY	VALUE
Name	description
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.4.3.9 Field iosUrl

2.1.2.4.3.9.1 iosUrl Tree Diagram

{ABC} **iosUrl**
document

2.1.2.4.3.9.2 iosUrl properties

PROPERTY	VALUE
Name	iosUrl
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.4.3.10 Field language

2.1.2.4.3.10.1 language Tree Diagram

```
[...] language            {ABC} [0]*
       document                  string
```
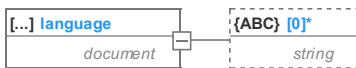
2.1.2.4.3.10.2 language Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	string	false			

2.1.2.4.3.10.3 language properties

PROPERTY	VALUE
Name	language
Technical name	
Id	
Type	array
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Min items	
Max items	
Unique items	false
Additional items	true
Comments	

2.1.2.4.3.11 Field [0]

2.1.2.4.3.11.1 [0] Tree Diagram

```
{ABC} [0]
      document
```

2.1.2.4.3.11.2 [0] properties

PROPERTY	VALUE
Id	
Type	string
Description	
Dependencies	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.4.3.12 Field likes

2.1.2.4.3.12.1 likes Tree Diagram

2.1.2.4.3.12.2 likes Hierarchy
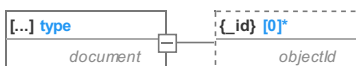
Parent field: **PostSchema**
Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
type	array	false			

2.1.2.4.3.12.3 likes properties

PROPERTY	VALUE
Name	likes
Technical name	
Id	
Type	document
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
DBRef	
Min Properties	
Max Properties	
Additional properties	false
Comments	

2.1.2.4.3.13 Field type

2.1.2.4.3.13.1 type Tree Diagram

2.1.2.4.3.13.2 type Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	objectId	false			

2.1.2.4.3.13.3 type properties

PROPERTY	VALUE
Name	type
Technical name	
Id	
Type	array
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Min items	
Max items	
Unique items	false
Additional items	true
Comments	

2.1.2.4.3.14 Field [0]

2.1.2.4.3.14.1 [0] Tree Diagram

```
{_id} [0]
       document
```

2.1.2.4.3.14.2 [0] properties

PROPERTY	VALUE
Id	
Type	objectId
Description	
Dependencies	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.4.3.15 Field likesCount

2.1.2.4.3.15.1 likesCount Tree Diagram

```
{123} likesCount
       document
```

2.1.2.4.3.15.2 likesCount properties

PROPERTY	VALUE
Name	likesCount
Technical name	
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.4.3.16 Field looking

2.1.2.4.3.16.1 looking Tree Diagram
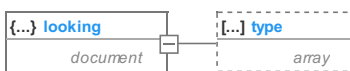
2.1.2.4.3.16.2 looking Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
type	array	false			

2.1.2.4.3.16.3 looking properties

PROPERTY	VALUE
Name	looking
Technical name	
Id	
Type	document
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
DBRef	
Min Properties	
Max Properties	
Additional properties	false
Comments	

2.1.2.4.3.17 Field type

2.1.2.4.3.17.1 type Tree Diagram
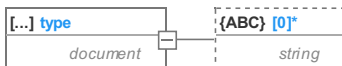
2.1.2.4.3.17.2 type Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	string	false			

2.1.2.4.3.17.3 type properties

PROPERTY	VALUE
Name	type
Technical name	
Id	
Type	array
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Min items	
Max items	
Unique items	false
Additional items	true
Comments	

2.1.2.4.3.18 Field [0]

2.1.2.4.3.18.1 [0] Tree Diagram

2.1.2.4.3.18.2 [0] properties

PROPERTY	VALUE
Id	
Type	string
Description	
Dependencies	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.4.3.19 Field media

2.1.2.4.3.19.1 media Tree Diagram

{ABC} **media**
document
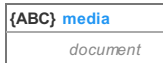
2.1.2.4.3.19.2 media properties

PROPERTY	VALUE
Name	media
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.4.3.20 Field needs

2.1.2.4.3.20.1 needs Tree Diagram

{...} **needs**		[...] **type**
document		*array*
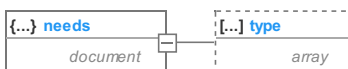
2.1.2.4.3.20.2 needs Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
type	array	false			

2.1.2.4.3.20.3 needs properties

PROPERTY	VALUE
Name	needs
Technical name	
Id	
Type	document
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
DBRef	
Min Properties	
Max Properties	
Additional properties	false
Comments	

2.1.2.4.3.21 Field type

2.1.2.4.3.21.1 type Tree Diagram
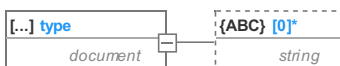
2.1.2.4.3.21.2 type Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	string	false			

2.1.2.4.3.21.3 type properties

PROPERTY	VALUE
Name	type
Technical name	
Id	
Type	array
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Min items	
Max items	
Unique items	false
Additional items	true
Comments	

2.1.2.4.3.22 Field [0]

2.1.2.4.3.22.1 [0] Tree Diagram

2.1.2.4.3.22.2 [0] properties

PROPERTY	VALUE
Id	
Type	string
Description	
Dependencies	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.4.3.23 Field postEmail

2.1.2.4.3.23.1 postEmail Tree Diagram

{ABC} **postEmail**
document

2.1.2.4.3.23.2 postEmail properties

PROPERTY	VALUE
Name	postEmail
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.4.3.24 Field shareWith

2.1.2.4.3.24.1 shareWith Tree Diagram

2.1.2.4.3.24.2 shareWith Hierarchy
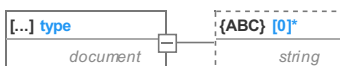
Parent field: **PostSchema**
Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
type	array	false			

2.1.2.4.3.24.3 shareWith properties

PROPERTY	VALUE
Name	shareWith
Technical name	
Id	
Type	document
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
DBRef	
Min Properties	
Max Properties	
Additional properties	false
Comments	

2.1.2.4.3.25 Field type

2.1.2.4.3.25.1 type Tree Diagram

2.1.2.4.3.25.2 type Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	string	false			

2.1.2.4.3.25.3 type properties

PROPERTY	VALUE
Name	type
Technical name	
Id	
Type	array
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Min items	
Max items	
Unique items	false
Additional items	true
Comments	

2.1.2.4.3.26 Field [0]

2.1.2.4.3.26.1 [0] Tree Diagram

{ABC} [0]
document

2.1.2.4.3.26.2 [0] properties

PROPERTY	VALUE
Id	
Type	string
Description	
Dependencies	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.4.3.27 Field status

2.1.2.4.3.27.1 status Tree Diagram

{0/1} status
document

2.1.2.4.3.27.2 status properties

PROPERTY	VALUE
Name	status
Technical name	
Id	
Type	boolean
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.4.3.28 Field tags

2.1.2.4.3.28.1 tags Tree Diagram
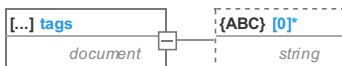
2.1.2.4.3.28.2 tags Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	string	false			

2.1.2.4.3.28.3 tags properties

PROPERTY	VALUE
Name	tags
Technical name	
Id	
Type	array
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Min items	
Max items	
Unique items	false
Additional items	true
Comments	

2.1.2.4.3.29 Field [0]

2.1.2.4.3.29.1 [0] Tree Diagram

2.1.2.4.3.29.2 [0] properties

PROPERTY	VALUE
Id	
Type	string
Description	
Dependencies	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.4.3.30 Field title

2.1.2.4.3.30.1 title Tree Diagram

{ABC} **title**
document

2.1.2.4.3.30.2 title properties

PROPERTY	VALUE
Name	title
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.4.3.31 Field type

2.1.2.4.3.31.1 type Tree Diagram
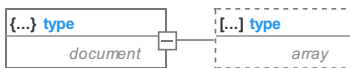
2.1.2.4.3.31.2 type Hierarchy
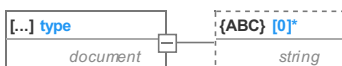
Parent field: **PostSchema**
Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
type	array	false			

2.1.2.4.3.31.3 type properties

PROPERTY	VALUE
Name	type
Technical name	
Id	
Type	document
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
DBRef	
Min Properties	
Max Properties	
Additional properties	false
Comments	

2.1.2.4.3.32 Field type

2.1.2.4.3.32.1 type Tree Diagram

2.1.2.4.3.32.2 type Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	string	false			

2.1.2.4.3.32.3 type properties

PROPERTY	VALUE
Name	type
Technical name	
Id	
Type	array
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Min items	
Max items	
Unique items	false
Additional items	true
Comments	

2.1.2.4.3.33 Field [0]

2.1.2.4.3.33.1 [0] Tree Diagram

{ABC} [0]
document

2.1.2.4.3.33.2 [0] properties

PROPERTY	VALUE
Id	
Type	string
Description	
Dependencies	
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.4.3.34 Field website

2.1.2.4.3.34.1 website Tree Diagram

{ABC} website
document

2.1.2.4.3.34.2 website properties

PROPERTY	VALUE
Name	website
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.5 Collection UserSchema

2.1.2.5.1 UserSchema Tree Diagram
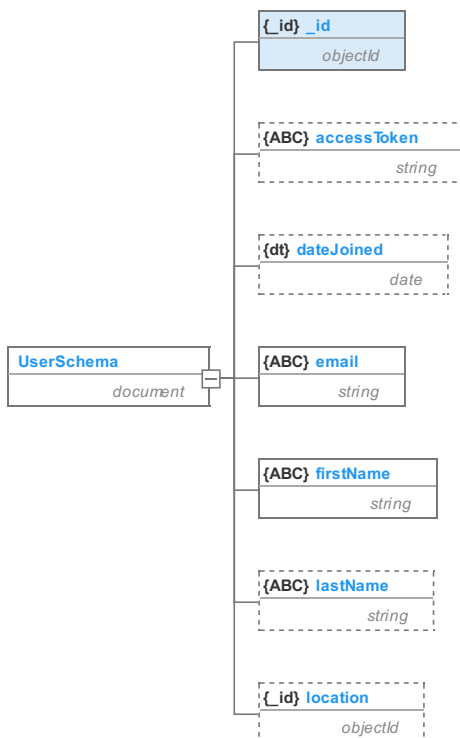
2.1.2.5.2 UserSchema Properties

PROPERTY	VALUE
Collection name	UserSchema
Technical name	
Id	
Description	
Database	applicationDB
Capped	false
Size	
Max	
Storage engine	WiredTiger
Config String	
Validation level	Off
Validation action	Warn
Additional properties	false
Comments	

2.1.2.5.3 UserSchema Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
_id	objectId	true			
accessToken	string	false			
dateJoined	date	false			
email	string	true			
firstName	string	true			
lastName	string	false			
location	objectId	false			

2.1.2.5.3.1 Field accessToken

2.1.2.5.3.1.1 accessToken Tree Diagram

{ABC} accessToken
document

2.1.2.5.3.1.2 accessToken properties

PROPERTY	VALUE
Name	accessToken
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.5.3.2 Field dateJoined

2.1.2.5.3.2.1 dateJoined Tree Diagram

{dt} dateJoined
document

2.1.2.5.3.2.2 dateJoined properties

PROPERTY	VALUE
Name	dateJoined
Technical name	
Id	
Type	date
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.5.3.3 Field email

2.1.2.5.3.3.1 email Tree Diagram

{ABC} email
document

2.1.2.5.3.3.2 email properties

PROPERTY	VALUE
Name	email
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.5.3.4 Field firstName

2.1.2.5.3.4.1 firstName Tree Diagram

{ABC} firstName
document

2.1.2.5.3.4.2 firstName properties

PROPERTY	VALUE
Name	firstName
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.5.3.5 Field lastName

2.1.2.5.3.5.1 lastName Tree Diagram

{ABC} lastName
document

2.1.2.5.3.5.2 lastName properties

PROPERTY	VALUE
Name	lastName
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	
Max length	
Pattern	
Format	
Enum	
Sample	
Comments	

2.1.2.5.3.6 Field location

2.1.2.5.3.6.1 location Tree Diagram

{_id} location
document

2.1.2.5.3.6.2 location properties

PROPERTY	VALUE
Name	location
Technical name	
Id	
Type	objectId
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

2.1.2.5.3.7 Field _id

2.1.2.5.3.7.1 _id Tree Diagram

{_id} _id
document

2.1.2.5.3.7.2 _id properties

PROPERTY	VALUE
Name	_id
Technical name	
Id	
Type	objectId
Description	
Dependencies	
Required	true
Primary key	true
Foreign collection	
Foreign field	
Relationship type	
Default	
Sample	
Comments	

3. RELATIONSHIPS

3.1 Relationship commentCommentRelationship

3.1.1 commentCommentRelationship Diagram

PARENT TABLE	PARENT FIELD
CommentSchema	_id

CHILD TABLE	CHILD FIELD
CommentSchema	children.[0]
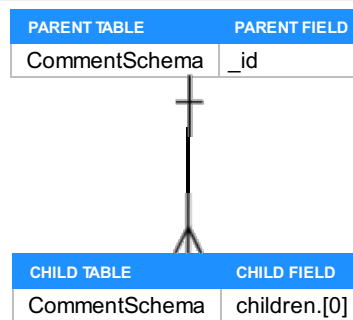
3.1.2 commentCommentRelationship Properties

PROPERTY	VALUE
Name	commentCommentRelationship
Description	
Parent Collection	CommentSchema
Parent field	_id
Parent Cardinality	1
Child Collection	CommentSchema
Child field	
Child Cardinality	n
Comments	

3.2 Relationship commentCommentRelationship

3.2.1 commentCommentRelationship Diagram

PARENT TABLE	PARENT FIELD
CommentSchema	_id

CHILD TABLE	CHILD FIELD
CommentSchema	parentId
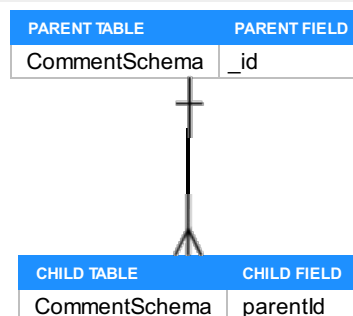
3.2.2 commentCommentRelationship Properties

PROPERTY	VALUE
Name	commentCommentRelationship
Description	
Parent Collection	CommentSchema
Parent field	_id
Parent Cardinality	1
Child Collection	CommentSchema
Child field	parentId
Child Cardinality	n
Comments	

3.3 Relationship postCommentRelationship

3.3.1 postCommentRelationship Diagram

PARENT TABLE	PARENT FIELD
PostSchema	_id

CHILD TABLE	CHILD FIELD
CommentSchema	postId
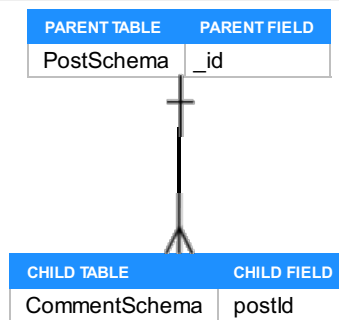
3.3.2 postCommentRelationship Properties

PROPERTY	VALUE
Name	postCommentRelationship
Description	
Parent Collection	PostSchema
Parent field	_id
Parent Cardinality	1
Child Collection	CommentSchema
Child field	postId
Child Cardinality	n
Comments	

3.4 Relationship userCommentRelationship

3.4.1 userCommentRelationship Diagram

PARENT TABLE	PARENT FIELD
UserSchema	_id

CHILD TABLE	CHILD FIELD
CommentSchema	authorId
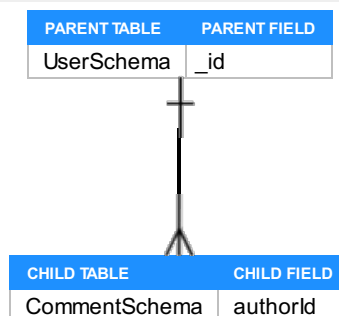
3.4.2 userCommentRelationship Properties

PROPERTY	VALUE
Name	userCommentRelationship
Description	
Parent Collection	UserSchema
Parent field	_id
Parent Cardinality	1
Child Collection	CommentSchema
Child field	authorId
Child Cardinality	n
Comments	

3.5 Relationship userOrganizationRelationship

3.5.1 userOrganizationRelationship Diagram

PARENT TABLE	PARENT FIELD
UserSchema	_id

CHILD TABLE	CHILD FIELD
OrganizationSchema	ownerId
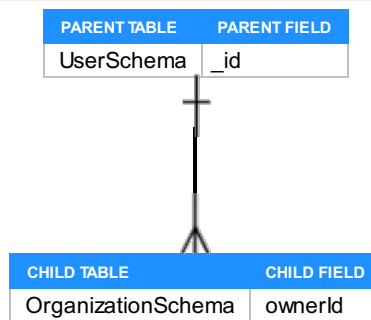
3.5.2 userOrganizationRelationship Properties

PROPERTY	VALUE
Name	userOrganizationRelationship
Description	
Parent Collection	UserSchema
Parent field	_id
Parent Cardinality	1
Child Collection	OrganizationSchema
Child field	ownerId
Child Cardinality	n
Comments	

3.6 Relationship userPostRelationship

3.6.1 userPostRelationship Diagram

PARENT TABLE	PARENT FIELD
UserSchema	_id

CHILD TABLE	CHILD FIELD
PostSchema	authorId
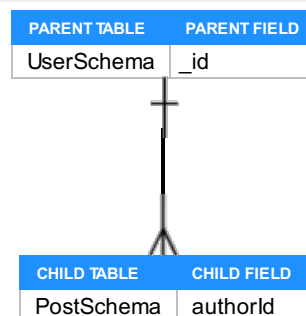
3.6.2 userPostRelationship Properties

PROPERTY	VALUE
Name	userPostRelationship
Description	
Parent Collection	UserSchema
Parent field	_id
Parent Cardinality	1
Child Collection	PostSchema
Child field	authorId
Child Cardinality	n
Comments	