



MongoDB Physical Model

Schema for:

Model name: Treks

Author:

Version:

File name: destination.json

File path: E:\trekservice\design\destination.json

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Created with: [Hackolade](#) - Visual data modeling for NoSQL and multimodel databases

1. Model

2. Databases

2.1 Trek

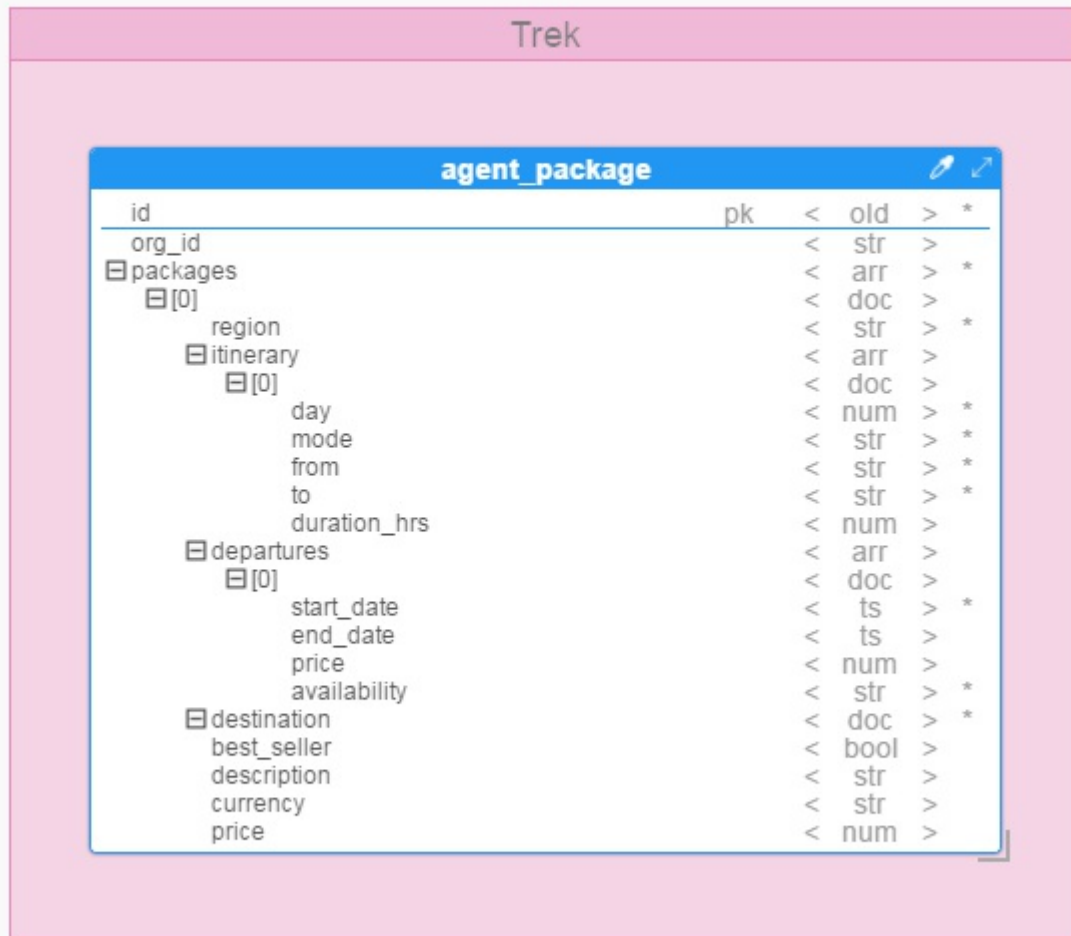
[2.1.2. Collections](#)

2.1.2.1 agent_package

1. MODEL

1.1 Model Treks

1.1.1 Treks Entity Relationship Diagram



1.1.2 Treks Properties

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

1.1.3 Treks DB Definitions

2. DATABASES

2.1 Database Trek

2.1.1 Trek Properties

PROPERTY	VALUE
Database name	Trek
Technical name	
Enable sharding	
Description	
Comments	

2.1.2 Trek Collections

2.1.2.1 Collection agent_package

2.1.2.1.1 agent_package Properties

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

2.1.2.1.2 agent_package Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
id	objectId	true			
org_id	string	false			
packages	array	true			
[0]	document	false			
region	string	true			
itinerary	array	false			
[0]	document	false			
day	numeric	true			
mode	string	true			
from	string	true			
to	string	true			
duration_hrs	numeric	false			
departures	array	false			
[0]	document	false			
start_date	timestamp	true			
end_date	timestamp	false			
price	numeric	false			
availability	string	true			
destination	document	true			This has all the fields of destination collection as shown earlier
best_seller	boolean	false			
description	string	false			
currency	string	false			
price	numeric	false			

2.1.2.1.2.1 Field id

2.1.2.1.2.1.1 id Tree Diagram

{_id} id
type document

2.1.2.1.2.1.2 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	

2.1.2.1.2.2 Field org_id**2.1.2.1.2.2.1 org_id Tree Diagram**

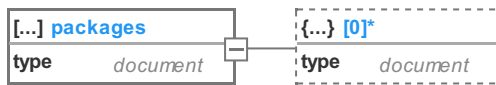
{ABC} org_id
type <i>document</i>

2.1.2.1.2.2.2 org_id properties

PROPERTY	VALUE
Name	org_id
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	

2.1.2.1.2.3 Field packages

2.1.2.1.2.3.1 packages Tree Diagram



2.1.2.1.2.3.2 packages Hierarchy

Parent field: **agent_package**

Child field(s):

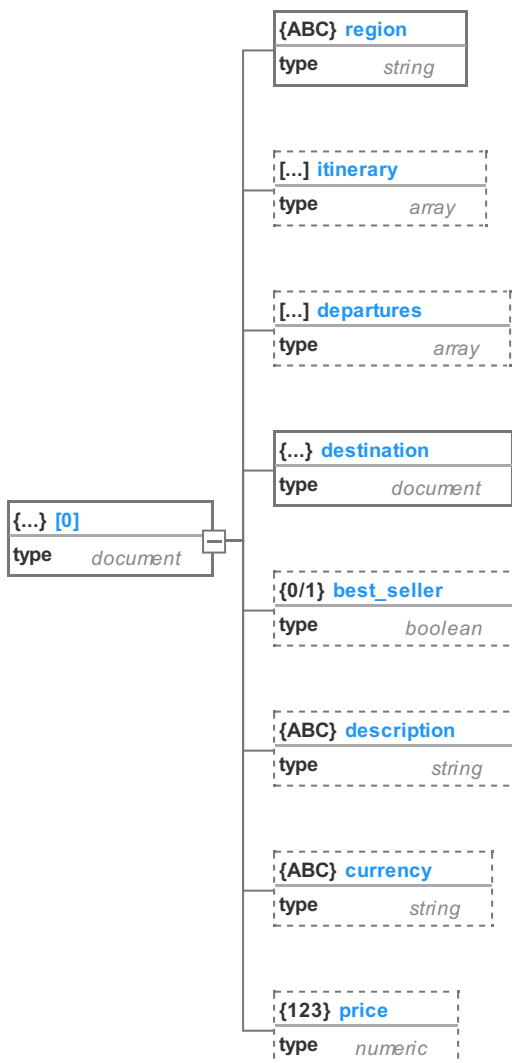
FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	document	false			

2.1.2.1.2.3.3 packages properties

PROPERTY	VALUE
Name	packages
Technical name	
Id	
Type	array
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Min items	1
Max items	50
Unique items	true
Additional items	true
Comments	

2.1.2.1.2.4 Field [0]

2.1.2.1.2.4.1 [0] Tree Diagram



2.1.2.1.2.4.2 [0] Hierarchy

Parent field: **packages**

Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
region	string	true			
itinerary	array	false			
departures	array	false			
destination	document	true			This has all the fields of destination collection as shown earlier
best_seller	boolean	false			
description	string	false			
currency	string	false			
price	numeric	false			

2.1.2.1.2.4.3 [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	

2.1.2.1.2.5 Field region**2.1.2.1.2.5.1 region Tree Diagram**

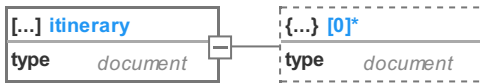
{ABC} region
type <i>document</i>

2.1.2.1.2.5.2 region properties

PROPERTY	VALUE
Name	region
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	5
Max length	25
Pattern	
Format	
Enum	
Sample	Nepal
Comments	

2.1.2.1.2.6 Field itinerary

2.1.2.1.2.6.1 itinerary Tree Diagram



2.1.2.1.2.6.2 itinerary Hierarchy

Parent field:

Child field(s):

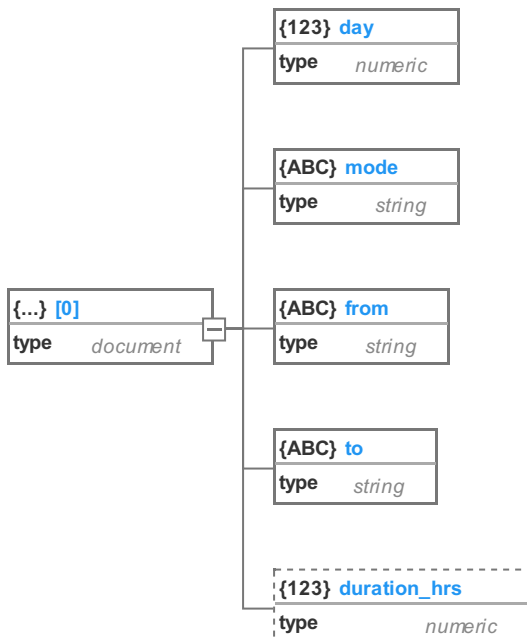
FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	document	false			

2.1.2.1.2.6.3 itinerary properties

PROPERTY	VALUE
Name	itinerary
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	

2.1.2.1.2.7 Field [0]

2.1.2.1.2.7.1 [0] Tree Diagram



2.1.2.1.2.7.2 [0] Hierarchy

Parent field: **itinerary**

Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
day	numeric	true			
mode	string	true			
from	string	true			
to	string	true			
duration_hrs	numeric	false			

2.1.2.1.2.7.3 [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	

2.1.2.1.2.8 Field day

2.1.2.1.2.8.1 day Tree Diagram

{123} day
type document

2.1.2.1.2.8.2 day properties

PROPERTY	VALUE
Name	day
Technical name	
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	true
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	

2.1.2.1.2.9 Field mode

2.1.2.1.2.9.1 mode Tree Diagram

{ABC} mode
type document

2.1.2.1.2.9.2 mode properties

PROPERTY	VALUE
Name	mode
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	1
Max length	10
Pattern	
Format	
Enum	Drive,Fly,Walk
Sample	
Comments	

2.1.2.1.2.10 Field from**2.1.2.1.2.10.1 from Tree Diagram**

{ABC} from
type <i>document</i>

2.1.2.1.2.10.2 from properties

PROPERTY	VALUE
Name	from
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	5
Max length	20
Pattern	
Format	
Enum	
Sample	Chipladhunga
Comments	

2.1.2.1.2.11 Field to**2.1.2.1.2.11.1 to Tree Diagram**

{ABC} to
type <i>document</i>

2.1.2.1.2.11.2 to properties

PROPERTY	VALUE
Name	to
Technical name	
Id	
Type	string
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Min length	2
Max length	20
Pattern	
Format	
Enum	
Sample	Poon hill
Comments	

2.1.2.1.2.12 Field duration_hrs**2.1.2.1.2.12.1 duration_hrs Tree Diagram**

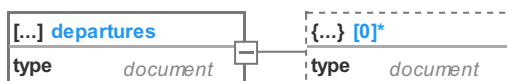
{123} duration_hrs
type <i>document</i>

2.1.2.1.2.12.2 duration_hrs properties

PROPERTY	VALUE
Name	duration_hrs
Technical name	
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	1
Excl min	false
Max value	24
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	3
Comments	

2.1.2.1.2.13 Field departures

2.1.2.1.2.13.1 departures Tree Diagram



2.1.2.1.2.13.2 departures Hierarchy

Parent field:

Child field(s):

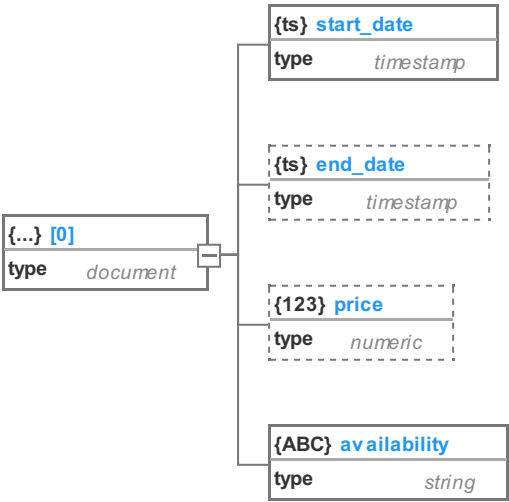
FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
[0]	document	false			

2.1.2.1.2.13.3 departures properties

PROPERTY	VALUE
Name	departures
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	

2.1.2.1.2.14 Field [0]

2.1.2.1.2.14.1 [0] Tree Diagram



2.1.2.1.2.14.2 [0] Hierarchy

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

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
start_date	timestamp	true			
end_date	timestamp	false			
price	numeric	false			
availability	string	true			

2.1.2.1.2.14.3 [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	

2.1.2.1.2.15 Field start_date**2.1.2.1.2.15.1 start_date Tree Diagram**

{ts} start_date
type <i>document</i>

2.1.2.1.2.15.2 start_date properties

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

2.1.2.1.2.16 Field end_date

2.1.2.1.2.16.1 end_date Tree Diagram

{ts} end_date
type <i>document</i>

2.1.2.1.2.16.2 end_date properties

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

2.1.2.1.2.17 Field price**2.1.2.1.2.17.1 price Tree Diagram**

{123} price
type <i>document</i>

2.1.2.1.2.17.2 price properties

PROPERTY	VALUE
Name	price
Technical name	
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	1
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	

2.1.2.1.2.18 Field availability**2.1.2.1.2.18.1 availability Tree Diagram**

{ABC} availability
type <i>document</i>

2.1.2.1.2.18.2 availability properties

PROPERTY	VALUE
Name	availability
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	Guaranteed,Available,Limited
Sample	
Comments	

2.1.2.1.2.19 Field destination**2.1.2.1.2.19.1 destination Tree Diagram**

{...} destination
type <i>document</i>

2.1.2.1.2.19.2 destination properties

PROPERTY	VALUE
Name	destination
Technical name	
Id	
Type	document
Description	
Dependencies	
Required	true
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
DBRef	
Min Properties	
Max Properties	
Additional properties	false
Comments	This has all the fields of destination collection as shown earlier

2.1.2.1.2.20 Field best_seller**2.1.2.1.2.20.1 best_seller Tree Diagram**

{0/1} best_seller
type <i>document</i>

2.1.2.1.2.20.2 best_seller properties

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

2.1.2.1.2.21 Field description

2.1.2.1.2.21.1 description Tree Diagram

{ABC} description
type <i>document</i>

2.1.2.1.2.21.2 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	

2.1.2.1.2.22 Field currency**2.1.2.1.2.22.1 currency Tree Diagram**

{ABC} currency
type <i>document</i>

2.1.2.1.2.22.2 currency properties

PROPERTY	VALUE
Name	currency
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	

2.1.2.1.2.23 Field price**2.1.2.1.2.23.1 price Tree Diagram**

{123} price
type document

2.1.2.1.2.23.2 price properties

PROPERTY	VALUE
Name	price
Technical name	
Id	
Type	numeric
Subtype	
Description	
Dependencies	
Required	false
Primary key	false
Foreign collection	
Foreign field	
Relationship type	
Default	
Unit	
Min value	100
Excl min	false
Max value	
Excl max	false
Multiple of	
Divisible by	
Enum	
Sample	
Comments	