



MongoDB Physical Model

Schema for:

Model name: Treks

Author:

Version:

File name: agent_packages.json

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

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1. Model

2. Databases

2.1 Trek

2.1.2. Collections

2.1.2.1 booking

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 booking

2.1.2.1.1 booking Properties

PROPERTY	VALUE
Collection name	booking
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 booking Fields

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
id	objectId	true			
booking_id	string	true			
org_id	string	true			
trip_date	date	true			
group_size	numeric	true			
currency	string	true			
package_cost	numeric	true			
booked_price	numeric	true			
contact_person	document	true			
title	string	false			
first_name	string	false			
last_name	string	false			
country	string	false			
email	string	false			
mobile	numeric	true			
airport_pickup	boolean	false			
airport_drop	boolean	false			
special_requirement	string	false			
flight_detail	document	false			
arrival_date	timestamp	false			
departure_date	timestamp	false			
arrival_flight	string	false			
departure_flight	string	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 booking_id

2.1.2.1.2.2.1 booking_id Tree Diagram

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

2.1.2.1.2.2.2 booking_id properties

PROPERTY	VALUE
Name	booking_id
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	

2.1.2.1.2.3 Field org_id

2.1.2.1.2.3.1 org_id Tree Diagram

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

2.1.2.1.2.3.2 org_id properties

PROPERTY	VALUE
Name	org_id
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	

2.1.2.1.2.4 Field trip_date

2.1.2.1.2.4.1 trip_date Tree Diagram

{dt} trip_date
type <i>document</i>

2.1.2.1.2.4.2 trip_date properties

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

2.1.2.1.2.5 Field group_size**2.1.2.1.2.5.1 group_size Tree Diagram**

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

2.1.2.1.2.5.2 group_size properties

PROPERTY	VALUE
Name	group_size
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	

2.1.2.1.2.6 Field currency

2.1.2.1.2.6.1 currency Tree Diagram

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

2.1.2.1.2.6.2 currency properties

PROPERTY	VALUE
Name	currency
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	

2.1.2.1.2.7 Field package_cost**2.1.2.1.2.7.1 package_cost Tree Diagram**

{123} package_cost
type document

2.1.2.1.2.7.2 package_cost properties

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

2.1.2.1.2.8 Field booked_price

2.1.2.1.2.8.1 booked_price Tree Diagram

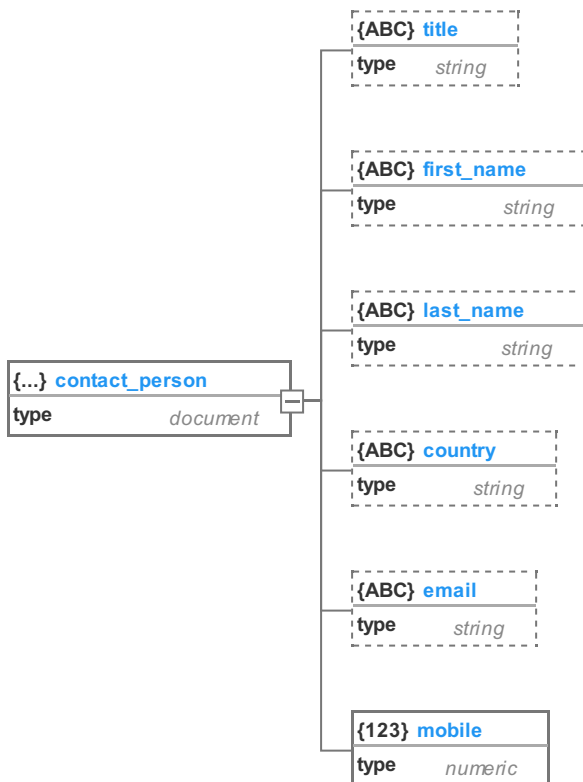
{123} booked_price
type <i>document</i>

2.1.2.1.2.8.2 booked_price properties

PROPERTY	VALUE
Name	booked_price
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 contact_person

2.1.2.1.2.9.1 contact_person Tree Diagram



2.1.2.1.2.9.2 contact_person Hierarchy

Parent field: **booking**

Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
title	string	false			
first_name	string	false			
last_name	string	false			
country	string	false			
email	string	false			
mobile	numeric	true			

2.1.2.1.2.9.3 contact_person properties

PROPERTY	VALUE
Name	contact_person
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	

2.1.2.1.2.10 Field title**2.1.2.1.2.10.1 title Tree Diagram**

{ABC} title
type document

2.1.2.1.2.10.2 title properties

PROPERTY	VALUE
Name	title
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	Mr,Ms,Mrs
Sample	Mr
Comments	

2.1.2.1.2.11 Field first_name**2.1.2.1.2.11.1 first_name Tree Diagram**

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

2.1.2.1.2.11.2 first_name properties

PROPERTY	VALUE
Name	first_name
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	

2.1.2.1.2.12 Field last_name**2.1.2.1.2.12.1 last_name Tree Diagram**

{ABC} last_name
type document

2.1.2.1.2.12.2 last_name properties

PROPERTY	VALUE
Name	last_name
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	

2.1.2.1.2.13 Field country**2.1.2.1.2.13.1 country Tree Diagram**

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

2.1.2.1.2.13.2 country properties

PROPERTY	VALUE
Name	country
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	

2.1.2.1.2.14 Field email**2.1.2.1.2.14.1 email Tree Diagram**

{ABC} email
type document

2.1.2.1.2.14.2 email properties

PROPERTY	VALUE
Name	email
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	email
Enum	
Sample	
Comments	

2.1.2.1.2.15 Field mobile**2.1.2.1.2.15.1 mobile Tree Diagram**

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

2.1.2.1.2.15.2 mobile properties

PROPERTY	VALUE
Name	mobile
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	

2.1.2.1.2.16 Field airport_pickup**2.1.2.1.2.16.1 airport_pickup Tree Diagram**

{0/1} airport_pickup	
type	document

2.1.2.1.2.16.2 airport_pickup properties

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

2.1.2.1.2.17 Field airport_drop**2.1.2.1.2.17.1 airport_drop Tree Diagram**

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

2.1.2.1.2.17.2 airport_drop properties

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

2.1.2.1.2.18 Field special_requirement

2.1.2.1.2.18.1 special_requirement Tree Diagram

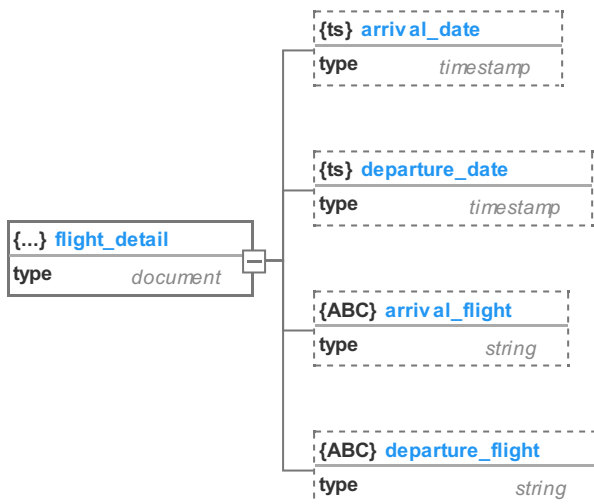
{ABC} special_requirement
type <i>document</i>

2.1.2.1.2.18.2 special_requirement properties

PROPERTY	VALUE
Name	special_requirement
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	

2.1.2.1.2.19 Field flight_detail

2.1.2.1.2.19.1 flight_detail Tree Diagram



2.1.2.1.2.19.2 flight_detail Hierarchy

Parent field: **booking**

Child field(s):

FIELD	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
arrival_date	timestamp	false			
departure_date	timestamp	false			
arrival_flight	string	false			
departure_flight	string	false			

2.1.2.1.2.19.3 flight_detail properties

PROPERTY	VALUE
Name	flight_detail
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	

2.1.2.1.2.20 Field arrival_date

2.1.2.1.2.20.1 arrival_date Tree Diagram

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

2.1.2.1.2.20.2 arrival_date properties

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

2.1.2.1.2.21 Field departure_date

2.1.2.1.2.21.1 departure_date Tree Diagram

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

2.1.2.1.2.21.2 departure_date properties

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

2.1.2.1.2.22 Field arrival_flight**2.1.2.1.2.22.1 arrival_flight Tree Diagram**

{ABC} arrival_flight
type document

2.1.2.1.2.22.2 arrival_flight properties

PROPERTY	VALUE
Name	arrival_flight
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 departure_flight**2.1.2.1.2.23.1 departure_flight Tree Diagram**

{ABC} departure_flight
type document

2.1.2.1.2.23.2 departure_flight properties

PROPERTY	VALUE
Name	departure_flight
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	