# {-}ackolade

## MongoDB Physical Model

**Schema for:**

Model name: Treks
Author:
Version:
File name: Treks.json
File path: C:\Users\San\Desktop\Treks.json
Printed On: Fri Jan 03 2020 15:10:17 GMT+0545 (Nepal Standard Time)
Created with: Hackolade - Visual data modeling for NoSQL and multimodel databases
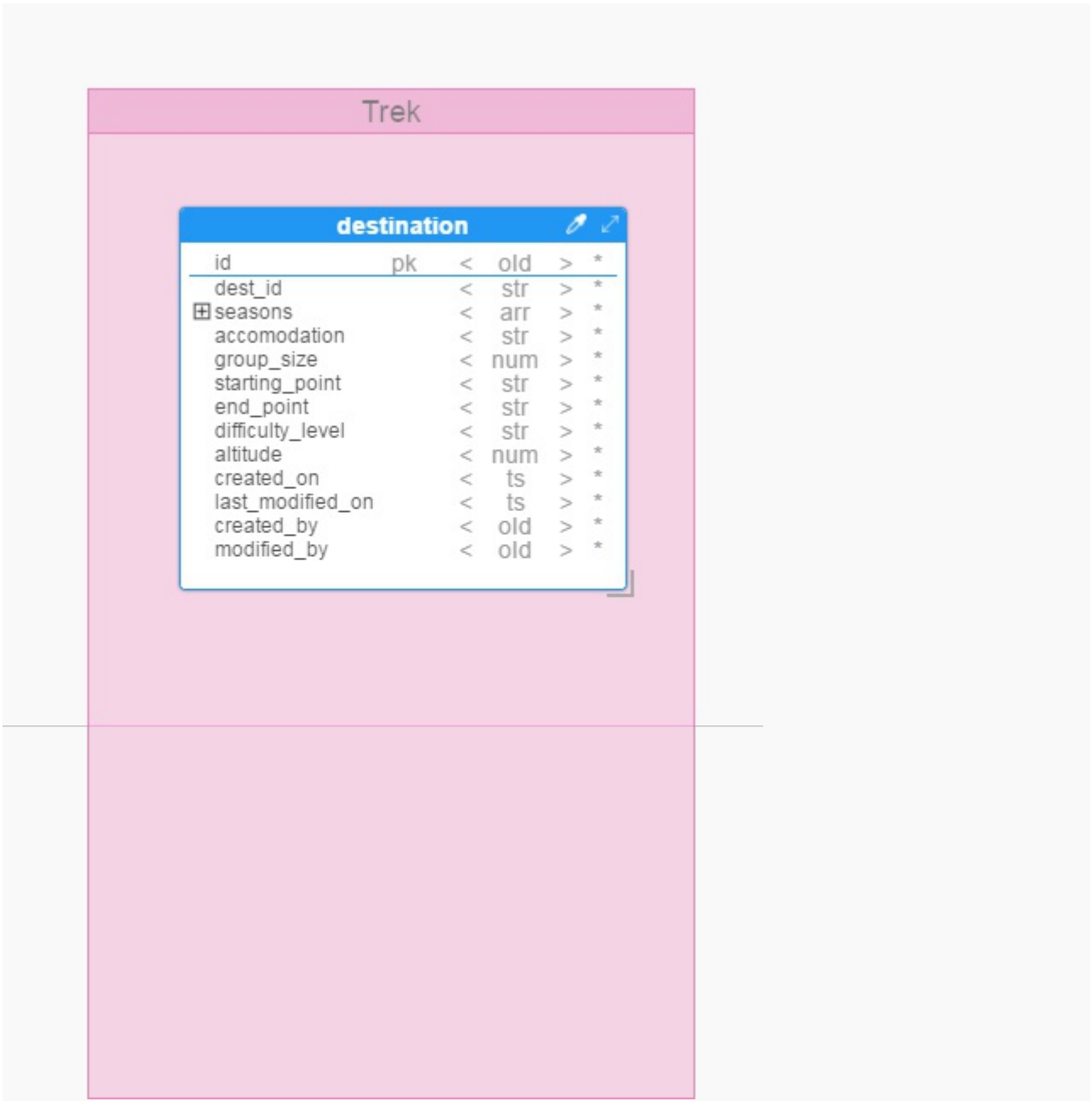
**1. Model**

**2. Databases**

## 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 destination

##### 2.1.2.1.1 destination Properties

| PROPERTY | VALUE |
|---|---|
| Collection name | destination |
| 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 destination Fields

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|-------|------|-----|-----|-------------|----------|
| id | objectId | true | | | |
| dest_id | string | true | | | |
| seasons | array | true | | | |
| [0] | string | false | | | |
| accomodation | string | true | | | |
| group_size | numeric | true | | | |
| starting_point | string | true | | | |
| end_point | string | true | | | |
| difficulty_level | string | true | | | |
| altitude | numeric | true | | | |
| created_on | timestamp | true | | | |
| last_modified_on | timestamp | true | | | |
| created_by | objectId | true | | | |
| modified_by | objectId | true | | | |

## 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 dest_id

### 2.1.2.1.2.2.1 dest_id Tree Diagram

| {ABC} dest_id | |
|---------------|--|
| **type** | *document* |

### 2.1.2.1.2.2.2 dest_id properties

| PROPERTY | VALUE |
|---|---|
| Name | dest_id |
| Technical name | |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | 2 |
| Max length | 10 |
| Pattern | |
| Format | |
| Enum | |
| Sample | EH265 |
| Comments | |

### 2.1.2.1.2.3 Field seasons

### 2.1.2.1.2.3.1 seasons Tree Diagram

```
[...] seasons              {ABC} [0]*
type      document         type      string
```
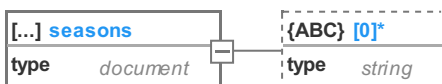
### 2.1.2.1.2.3.2 seasons Hierarchy

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

| FIELD | TYPE | REQ | KEY | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| [0] | string | false | | | |

### 2.1.2.1.2.3.3 seasons properties

| PROPERTY | VALUE |
|---|---|
| Name | seasons |
| Technical name | |
| Id | |
| Type | array |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Min items | 1 |
| Max items | 12 |
| 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

| {ABC} [0] | |
|---|---|
| type | document |

### 2.1.2.1.2.4.2 [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 | |

### 2.1.2.1.2.5 Field accomodation

### 2.1.2.1.2.5.1 accomodation Tree Diagram

| {ABC} accomodation | |
|---|---|
| **type** | *document* |

### 2.1.2.1.2.5.2 accomodation properties

| PROPERTY | VALUE |
|---|---|
| Name | accomodation |
| Technical name | |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | 4 |
| Max length | 15 |
| Pattern | |
| Format | |
| Enum | hotel,tea house ,lodge |
| Sample | |
| Comments | |

### 2.1.2.1.2.6 Field group_size

### 2.1.2.1.2.6.1 group_size Tree Diagram

| {123} group_size | |
|---|---|
| **type** | *document* |

### 2.1.2.1.2.6.2 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 | 1 |
| Excl min | false |
| Max value | 50 |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.1.2.7 Field starting_point

### 2.1.2.1.2.7.1 starting_point Tree Diagram

| {ABC} starting_point | |
|---|---|
| type | document |

### 2.1.2.1.2.7.2 starting_point properties

| PROPERTY | VALUE |
| --- | --- |
| Name | starting_point |
| 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 | Chipledhunga |
| Comments | |

### 2.1.2.1.2.8 Field end_point

### 2.1.2.1.2.8.1 end_point Tree Diagram

| {ABC} end_point | |
| --- | --- |
| type | *document* |

### 2.1.2.1.2.8.2 end_point properties

| PROPERTY | VALUE |
| --- | --- |
| Name | end_point |
| 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 | Poon Hill |
| Comments | |

### 2.1.2.1.2.9 Field difficulty_level

### 2.1.2.1.2.9.1 difficulty_level Tree Diagram

| {ABC} difficulty_level | |
| --- | --- |
| type | *document* |

### 2.1.2.1.2.9.2 difficulty_level properties

| PROPERTY | VALUE |
| --- | --- |
| Name | difficulty_level |
| Technical name | |
| Id | |
| Type | string |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Min length | 4 |
| Max length | 15 |
| Pattern | |
| Format | |
| Enum | Difficult,Medium,East |
| Sample | |
| Comments | |

## 2.1.2.1.2.10 Field altitude

### 2.1.2.1.2.10.1 altitude Tree Diagram

| {123} **altitude** | |
| --- | --- |
| **type** | *document* |

### 2.1.2.1.2.10.2 altitude properties

| PROPERTY | VALUE |
|---|---|
| Name | altitude |
| Technical name | |
| Id | |
| Type | numeric |
| Subtype | |
| Description | |
| Dependencies | |
| Required | true |
| Primary key | false |
| Foreign collection | |
| Foreign field | |
| Relationship type | |
| Default | |
| Unit | |
| Min value | 1500 |
| Excl min | false |
| Max value | 10000 |
| Excl max | false |
| Multiple of | |
| Divisible by | |
| Enum | |
| Sample | |
| Comments | |

### 2.1.2.1.2.11 Field created_on

### 2.1.2.1.2.11.1 created_on Tree Diagram

| {ts} **created_on** | |
|---|---|
| **type** | *document* |

### 2.1.2.1.2.11.2 created_on properties

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

### 2.1.2.1.2.12 Field last_modified_on

### 2.1.2.1.2.12.1 last_modified_on Tree Diagram

| {ts} last_modified_on | |
|---|---|
| **type** | *document* |

### 2.1.2.1.2.12.2 last_modified_on properties

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

### 2.1.2.1.2.13 Field created_by

### 2.1.2.1.2.13.1 created_by Tree Diagram

| {_id} created_by | |
|---|---|
| type | *document* |

### 2.1.2.1.2.13.2 created_by properties

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

### 2.1.2.1.2.14 Field modified_by

### 2.1.2.1.2.14.1 modified_by Tree Diagram

| {_id} modified_by | |
|---|---|
| type | *document* |

### 2.1.2.1.2.14.2 modified_by properties

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