Indexes Properties

Index Properties

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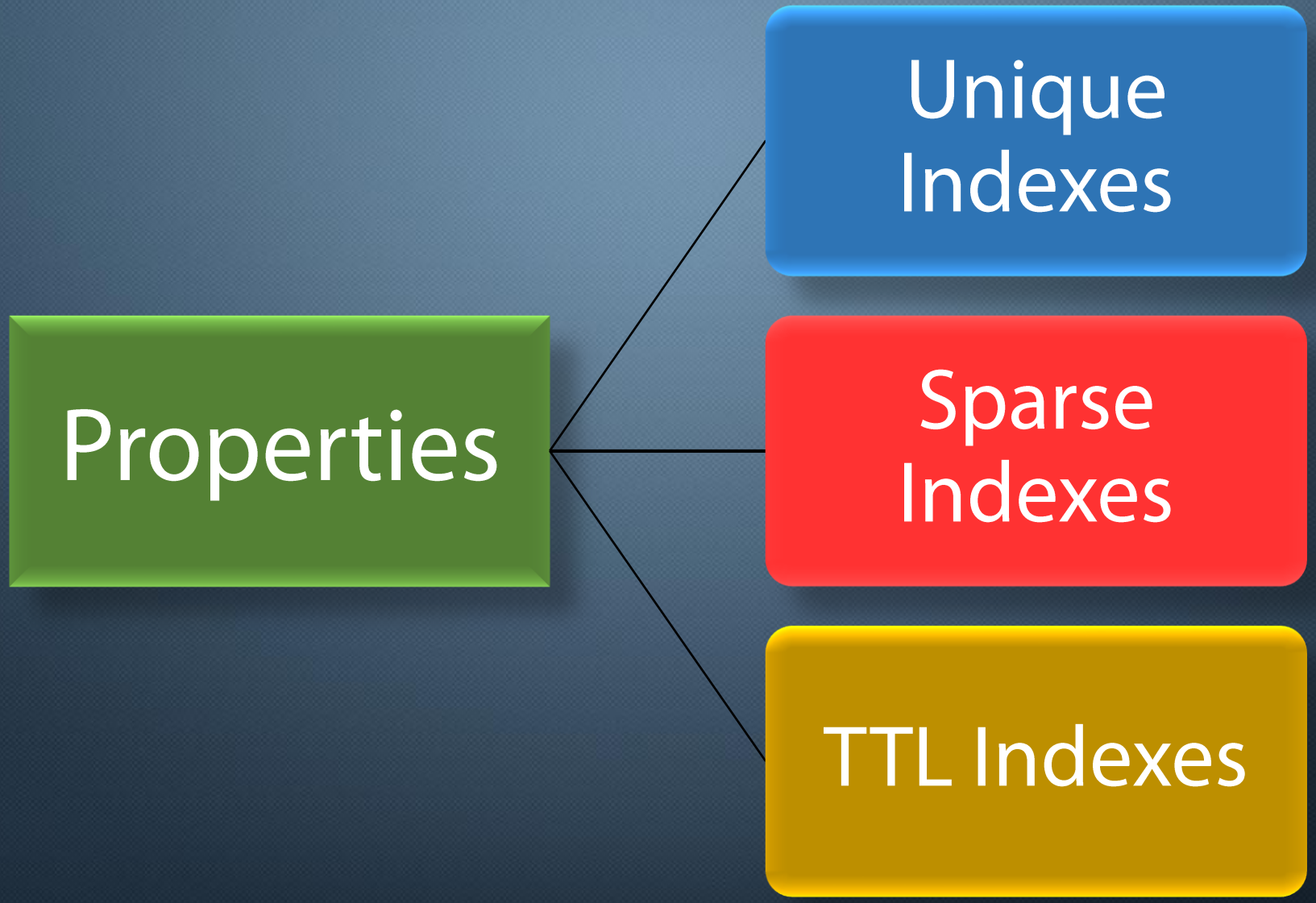

Unique Indexes

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- A unique index causes MongoDB to reject all documents that contain a duplicate value for the indexed field.

- By default, unique is false on MongoDB indexes.

```
db.collection.ensureIndex({“user_id” : 1}, {unique: true})
```

Sparse Indexes

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- Sparse indexes only contain entries for documents that have the indexed field, even if the index field contains a null value.
- Indexes that need not include every document as an entry.
- Sparse indexes do not necessarily have to be unique.

```
db.collection_Name.ensureIndex( {“user_id”: 1}, {sparse : true })
```

TTL (Time-To-Live) Indexes

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- Allows you to set a timeout for each document. When a document reaches preconfigured age, it will be deleted.
- Mostly useful for caching problems like session storage.
- TTL index does not guarantee that expired data will be deleted immediately.

Limitations of TTL Indexes

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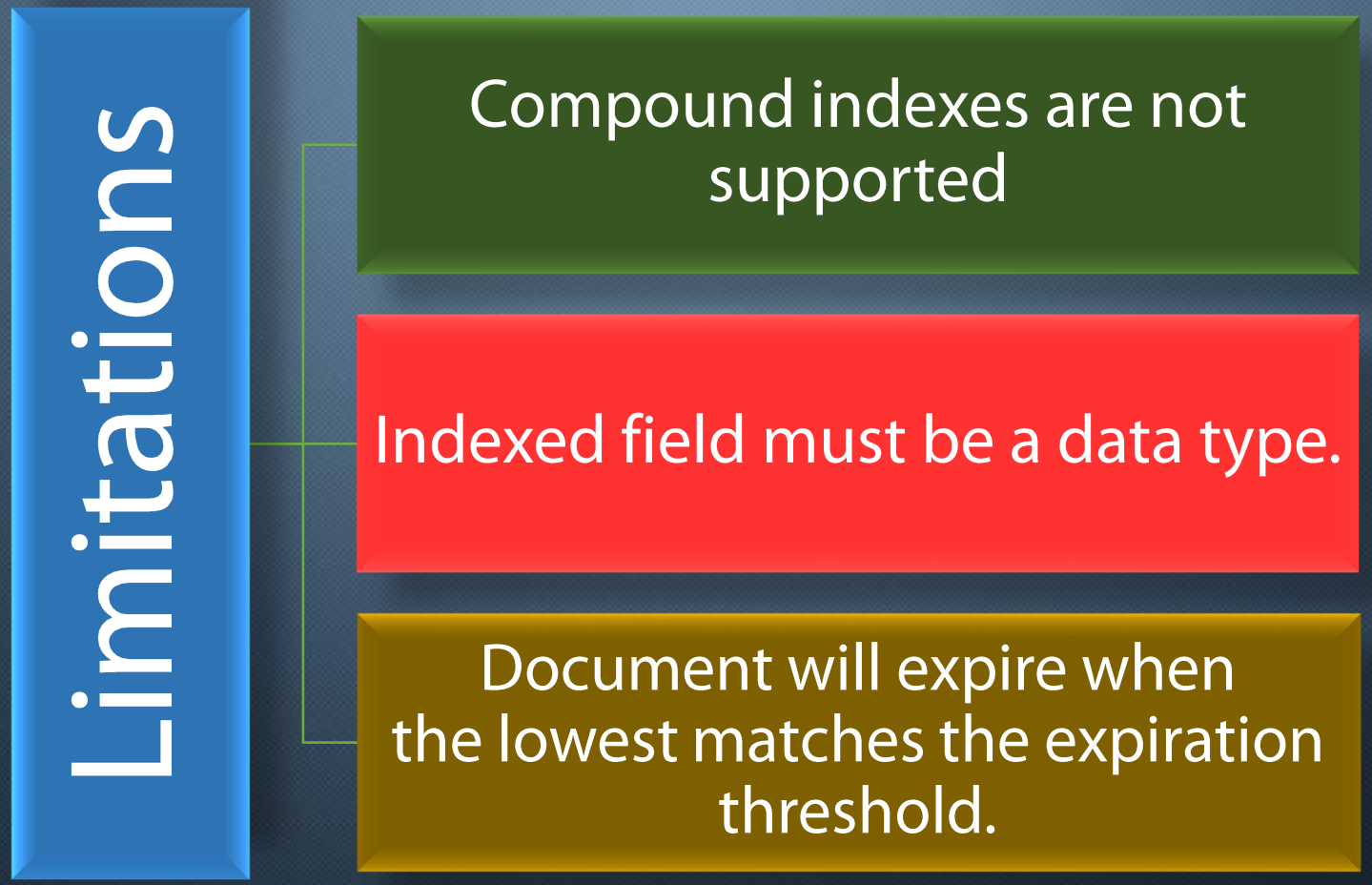

Hands-On