Introduction to Mongoose for Node.js and MongoDB

Course Introduction

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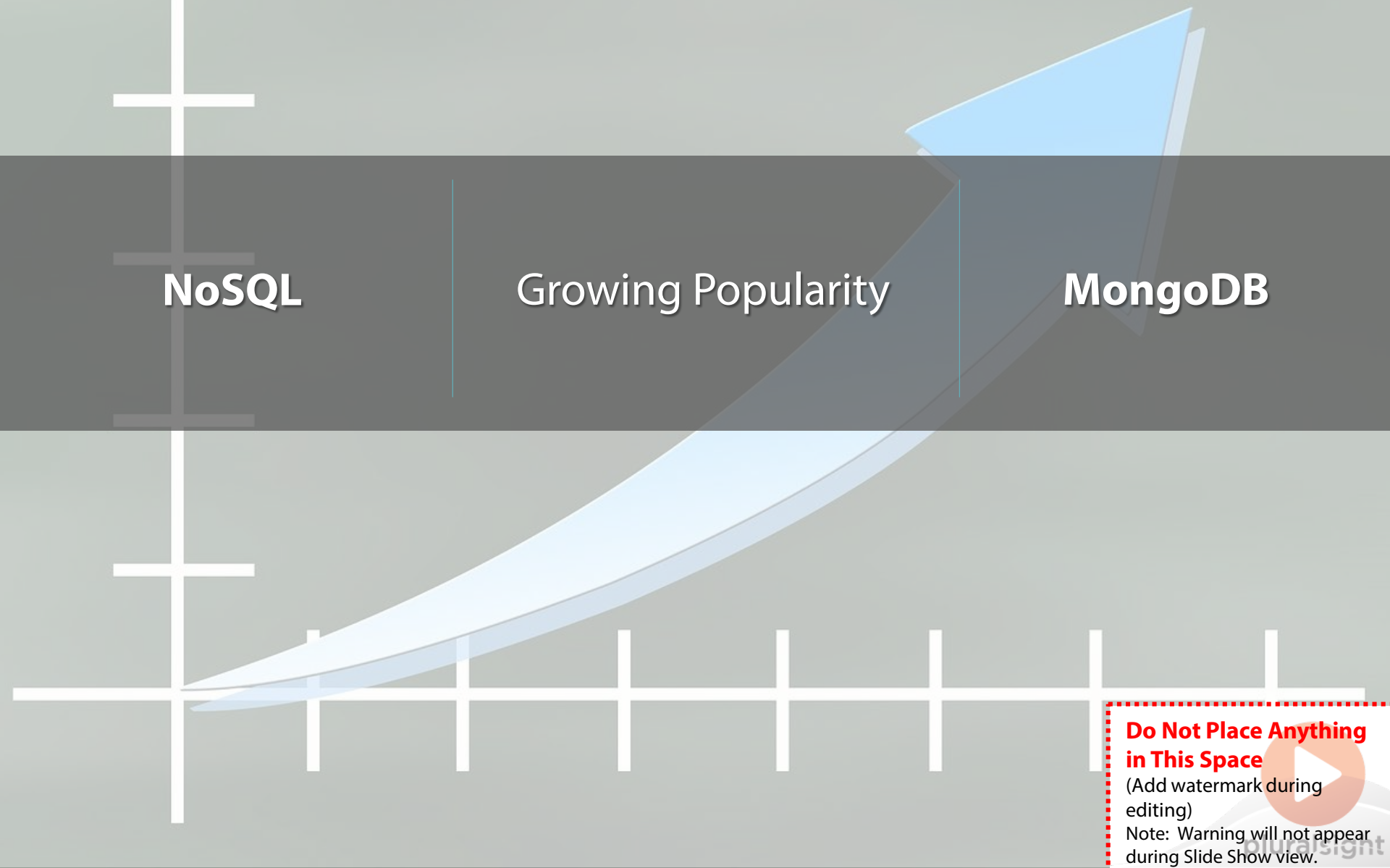
pluralsight
hardcore dev and IT training

Introduction



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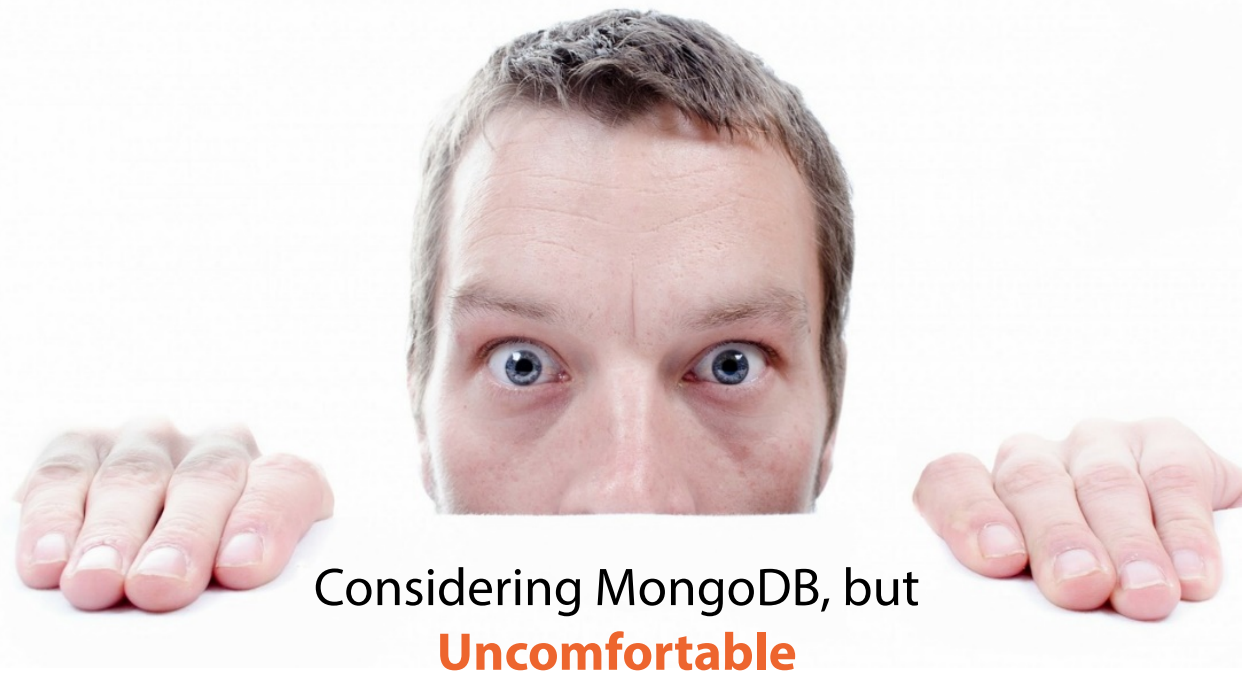

Considering MongoDB, but

Uncomfortable

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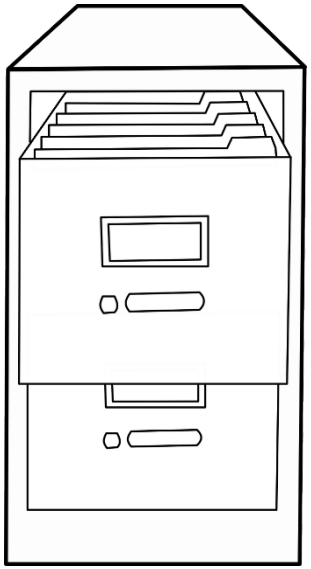

Think of a database as a
Filing Cabinet

Relational Database…
Rule-based

Records must
Match

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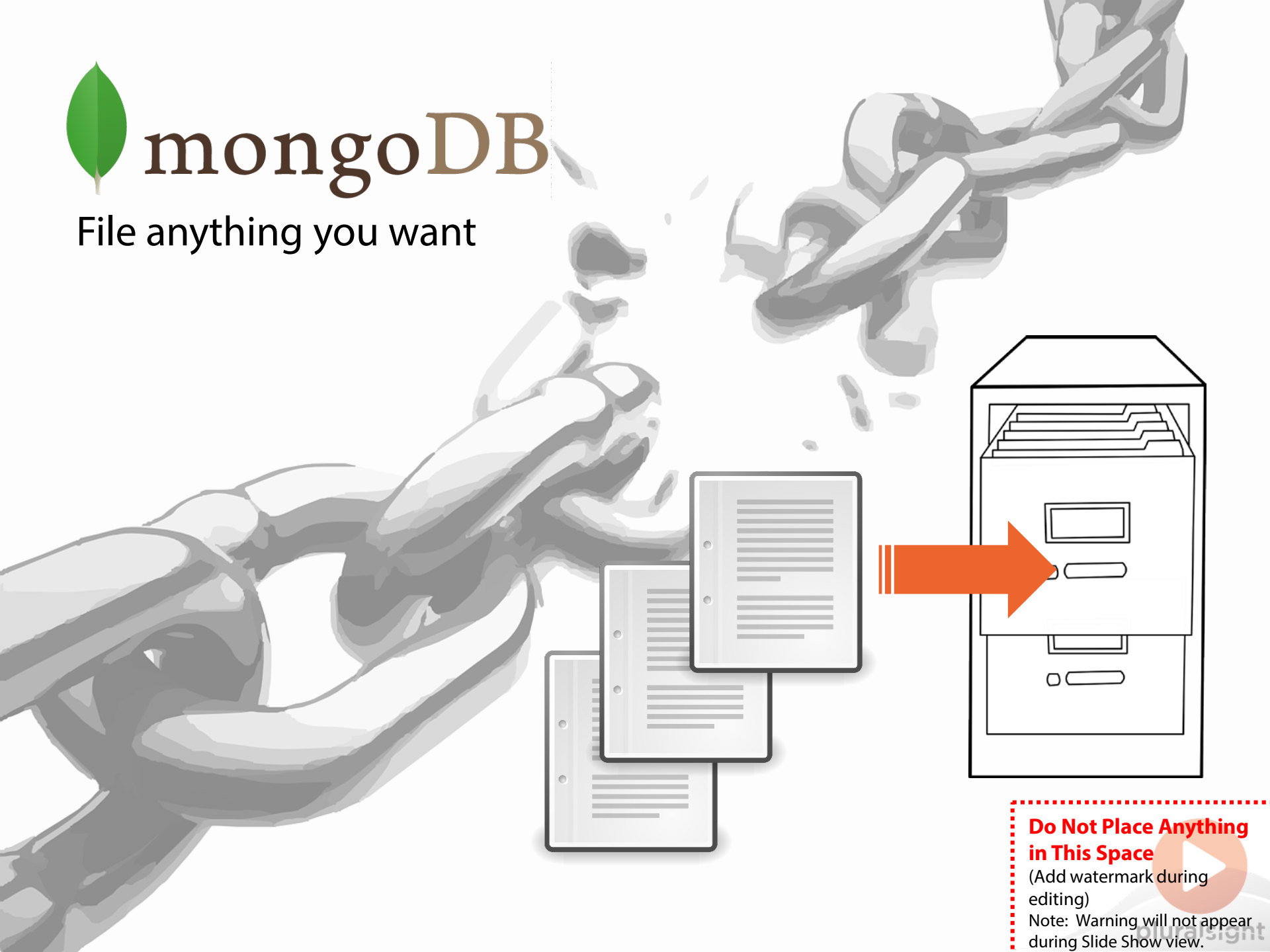

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Course Goals

Building Blocks for Great Applications

Using Mongoose

Store and Retrieve Documents

Structured / Schema-based

"Some Rules"

Demo Application

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Prerequisites

General knowledge and understanding of the following:

Node.js and MongoDB

Node.js - bit.ly/node99

MongoDB - bit.ly/mongo99

JavaScript

Explore and Learn!

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Why Mongoose?

```
var MongoClient = require('mongodb').MongoClient;

// Connect to the db
MongoClient.connect("mongodb://localhost:27017/exampleDb",
function(err, db) {
  if(!err) {
    console.log("We are connected");
  }
});
```

Native MongoDB drivers

C++	C#	Java	Perl
PHP	Python	Ruby	Node.js

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Why Mongoose?

> Because MongoDB is so easy to use, the basic Node.js driver can be the best solution for many applications. However, if you need validations, associations, and other high-level data modeling functions, then an Object Document Mapper may be helpful.

— docs.mongodb.org/ecosystem/drivers/node-js/

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Why Mongoose?

> Mongoose is the officially supported ODM for Node.js. It has a thriving open source community and includes advanced schema-based features such as async validation, casting, object life-cycle management, pseudo-joins, and rich query builder support.

— docs.mongodb.org/ecosystem/drivers/node-js/

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Why Mongoose?

No “best” answer…

… but some good reasons:

- Validation
- Defaults
- Query builder
- Pseduo-joins
- Life-cycle management

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Our Demo Application

Virtual Stand-up Meeting Notes

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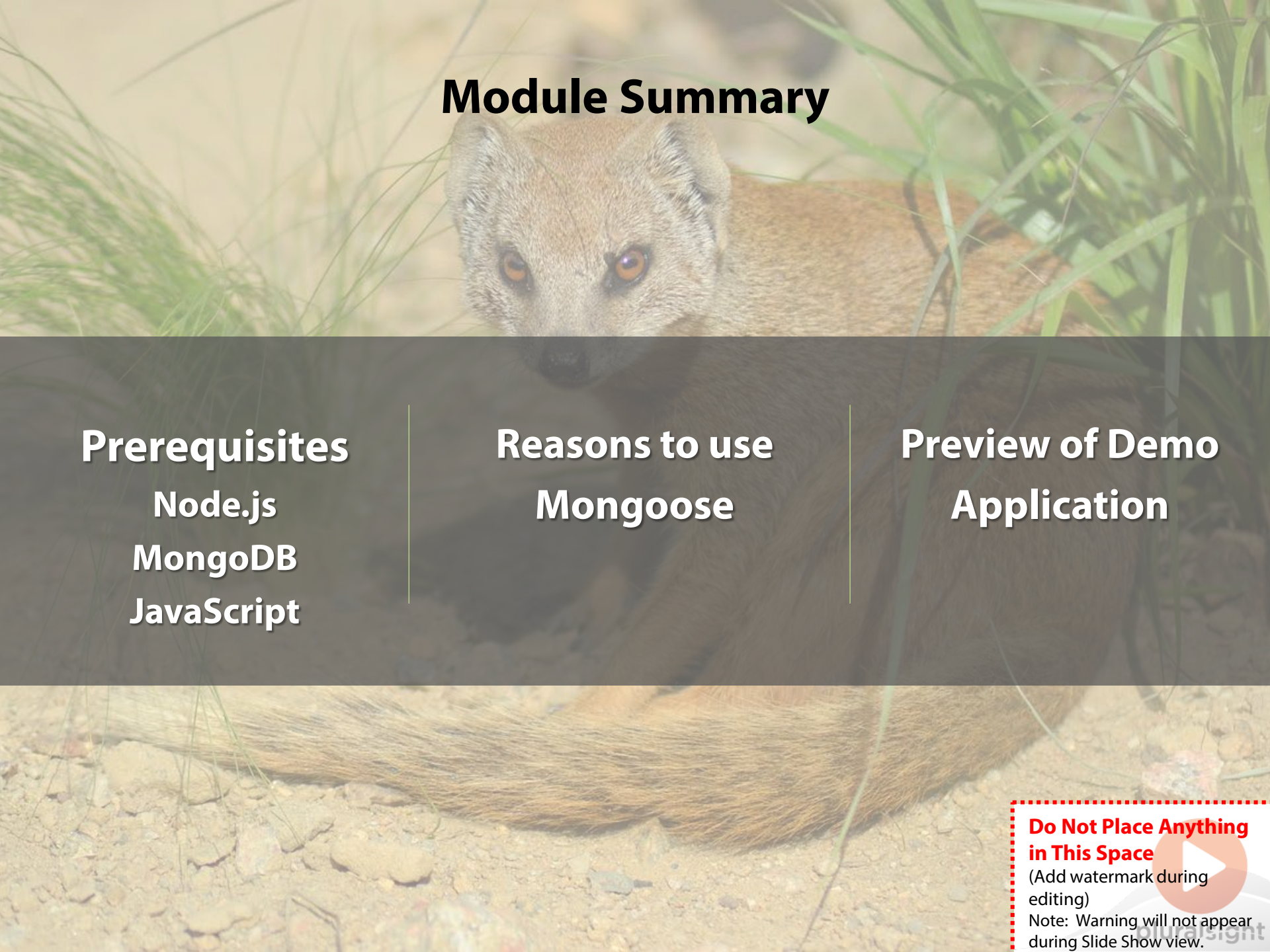
Module Summary



Prerequisites

Node.js

MongoDB

JavaScript

Reasons to use Mongoose

Preview of Demo Application

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