### Slide 1: Introduction

Title: "Comparing MongoDB and SQL Databases"

* Briefly introduce the importance of databases in modern applications.
* State the objective of the presentation - comparing MongoDB (NoSQL) and SQL databases.
* Engage the audience with a question or a relevant statistic about database usage.

### Slide 2: MongoDB - NoSQL Database

* **Title:** "MongoDB - A NoSQL Database"
* Comprehensive overview of MongoDB:
  + Document-based JSON-like storage
  + Schema-less design offering flexibility in data structure
  + Dynamic indexing for fast querying
  + Replication capabilities for fault tolerance
  + Horizontal scalability ability through data distribution across servers
* Concrete example or screenshot illustrating the structure of a document in MongoDB.

### Slide 3: SQL Database Overview

* **Title:** "SQL Databases - Relational Databases"
* Detailed overview of SQL databases:
  + Tabular storage with relationships between tables
  + Rigid schemas requiring predefined data structure
  + Use of SQL language for querying and data manipulation
  + Consistency assurance through ACID properties (Atomicity, Consistency, Isolation, Durability)
  + Transaction control ability to maintain data integrity
* Diagram or visual example showcasing the relational structure of multiple tables in an SQL database.

### Slide 4: Functionalities Comparison

* **Title:** "Comparing MongoDB and SQL Databases' Functionalities"
* In-depth comparison of functionalities:
  + Data model: Flexible document-based storage (MongoDB) vs Table-based relational storage (SQL)
  + Schema flexibility: Schema-less (MongoDB) vs Predefined schemas (SQL)
  + Query language: MongoDB-specific query syntax vs Standardized SQL
  + Scalability: Native horizontal scalability (MongoDB) vs Traditional vertical scalability (SQL)
  + Transaction support: Limited transactions (MongoDB) vs Full transactional support (SQL)
* Detailed comparative tables or diagrams highlighting the differences and advantages of each database type.

### Slide 5: Pros and Cons

* **Title:** "Pros and Cons of MongoDB and SQL Databases"
* Detailed analysis of advantages and disadvantages:
  + MongoDB advantages (flexibility, horizontal scalability, performance)
  + MongoDB limitations (lack of transactional support, less control over consistency)
  + SQL database advantages (strict consistency, comprehensive transactional support)
  + SQL database limitations (schema rigidity, complex scalability)
* Performance, flexibility, and robustness comparison for each database type with concrete examples.

This detailed approach will allow for an in-depth and clear comparison between MongoDB (NoSQL) and SQL databases, highlighting functionalities, pros, and cons of each system. Information should be presented clearly and supported with examples for better understanding.

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