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**DBMS II Project Part 1: Data and Scalability**

**About Response time:**

In DBMS refers to the duration or time it takes for a database to respond to a query or request made by a user or application. Response time is influenced by various factors, it can be the complexity of the query, size of the database, or system's hardware, and the level of optimization in the database design. It can be improved by using indexing, query optimization techniques, and efficient data storage structures. Managing response time effectively is crucial for maintaining scalability and ensuring the database can handle high volumes of concurrent transactions without significant delays.

**About Benchmark function:**

The benchmark function is basically used to measure the performance of an asynchronous operation by calculating the time it takes for the function to execute. It starts by capturing the current time using performance.now() before the function is called. The function is expected to return a promise, and once that promise resolves, the benchmark function captures the end time.

**About Csb index:**

The csbIndex in the context of IndexedDB which is an index created on the "csb" field of an object store. The method store.createIndex establishes this index, allowing for more efficient queries on the ‘csb’ property of the objects stored in the database. An index improves query performance by enabling the database to quickly locate records from the database based on the indexed field, rather than having to search through every record in the store.

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