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GRADE  
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## BDMS Quiz

LATEST SUBMISSION GRADE

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1. The desired characteristics of a BDMS include (select all that apply):

1 / 1 point

☒ A full query language

✓ **Correct**

☒ Support for common "Big Data" data types

✓ **Correct**

☒ A flexible semi-structured data model

✓ **Correct**

☐ Support for ACID

☒ Continuous data ingestion

✓ **Correct**

☐ Narrow range of query sizes

2. Fill in the blank with the best answer: CAP theorem states that \_\_\_\_\_ all at once within a distributed computer system?

1 / 1 point

- ☐ it is necessary to have consistency, accuracy, and partial tolerance
- ☐ it is impossible to have consistency, accuracy, and partial tolerance
- ☐ it is necessary to have consistency, availability, and partition tolerance
- ☒ it is impossible to have consistency, availability, and partition tolerance

✓ **Correct**

For more information related to this concept, please click [here](#).

3. What is the purpose of the acronym BASE?

1 / 1 point

- ☐ To overcome CAP theorem.
- ☒ To impose properties on a BDMS in order to guarantee certain results.
- ☐ Enables stricter enforcement of ACID type design.
- ☐ The same as ACID.

✓ **Correct**

For more information related to this concept, please click [here](#).

4. What are ziplists in Redis?

1 / 1 point

- ☐ A special type of data type that can store hashes that point to multiple attributes.
- ☐ A look up table that is stored as a value in the database. Look up table points to actual values in memory.
- ☒ A compressed list that is stored within the value of the database.
- ☐ A special type of data type that can store up to 512 mb of image data.

✓ **Correct**

For more information related to this concept, please click [here](#).

5. What is one of the main features of Aerospike?

1 / 1 point

- ☐ Better equipped for string based search applications.
- ☐ Enables real time data streaming from external sources.
- ☒ Support for geospatial data storage and geospatial queries.
- ☐ Images as values within the database.

✓ **Correct**

For more information related to this concept, please click [here](#).

6. What database would be best suited for the following scenario: An app development company is trying to implement a cloud based storage system for their new map-based app. The cloud will manage the longitude and latitude of the data in order to track user location.

1 / 1 point

- ☐ Vertica
- ☐ Redis
- ☐ Solr
- ☒ Aerospike

✓ **Correct**

For more information related to this concept, please click [here](#).

7. What database would be best suited for the following scenario: A big wholesale company is trying to implement a search engine for their products.

1 / 1 point

- ☐ Aerospike
- ☐ Vertica
- ☒ Solr
- ☐ Redis

✓ **Correct**

For more information related to this concept, please click [here](#).

8. Which of the following data types are supported by Redis? (select all that apply)

1 / 1 point

- ☐ Streaming Video
- ☒ Strings

✓ **Correct**

- ☒ Lists

✓ **Correct**

- ☐ Images
- ☒ Sorted Sets

✓ **Correct**

- ☒ Hashes

✓ **Correct**