



This assignment is due by the date on the dropbox. Submit your document in .docx or .pdf format.

Read the *Databases* presentation on mycourses. The following questions are based on that presentation.

Design Patterns:

- 1) In your own words, what is a DBMS?

- 2) In your own words, what is a database designed to do?

- 3) What are some disadvantages of stateful servers?

4) What are some disadvantages of storing data as normal files?

5) What is the purpose of a database?

6) In SQL, how is data stored?

7) Describe the four parts of ACID.

Atomic –

Consistency –

Isolation –

Durability –

8) Describe the three parts of CAP Theorem.

Consistency –

Availability –

Partition Tolerance –

9) How is data stored in NoSQL?

10) Describe the three parts of BASE.

Basic Availability –

Soft-State –

Eventual Consistency –

11) What type of database in MongoDB?

12) What is MongoDB programmed with?

13) What type of database is Redis?

14) What does Redis allow us to store?

15) What does Redis mean for an HTTP server?

16) Describe the three parts of CRUD.

Create –

Read –

Update –

Delete –

RICH MEDIA WEB APP
DEV II
DATABASE SG

Rubric

| DESCRIPTION | SCORE | VALUE % |
|----------------------------------|-------|------------------|
| Each answer is correct. | | 6.25 points each |
| Not submitted in a .docx or .pdf | | -30% |
| TOTAL | | 100% |

Submission:

By the due date please submit a .docx or .pdf of your answers for this assignment.
Do **NOT** submit in a zip. Please submit the raw .docx or .pdf file.