Database Systems
Homework 7

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Chapter 10

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1.1 Data Administration: Data Analyst

Responsabilities and their values:

- **Data Coordination**: Maintain a reasonable amount of control over the company's data;

- **Data Planning**: Provide a roadmap to work during the lifecycle of the system;

- **Data Standards**: Reduce errors, improve performance, and enhance the ability of one IS worker to understand the work done by another;

- **Liaison to Systems Programmers**: Provide support to systems programmers in all matters concerning the data needed by an application;

- **Training**: Share understanding of the system, the data, and the data and database administration to all related persons;

- **Arbitration of Disputes and Usage Authorization**: Control the data in order to guarantee the ownership;

- **Documentation and Publicity**: Share standards and the singularities of the data inside the company;

- **Data's Competitive Advantage**: Understand how the company works to find oportunities to gain competitive advantage.

1.2   Database Administration: Systems Programmer

Responsabilities and their values:

- **DBMS Performance Monitoring**: Ferret out inefficient applications or queries that may be candidates for redesign;

- **DBMS Troubleshooting**: Assessing what went wrong and coordinating the appropriate personnel to fix it;

- **DBMS Usage and Security Monitoring**: Improve security of the database;

- **Data Dictionary Operations**: Use and report the use of the data dictionary;

- **DBMS and Software Maintenance**: Maintain the DBMS, installing new version of the system, fixes, patches, backup and recovery, and repairs;

- **Database Design**: Create the Physical Database Design and be the consultant when a request is made.