WEEK 1

WHO'S WHO?

STUDENT OBJECTIVES

- Upon completion of this video, you should be able to:
    - List the 4 roles that people could take on when working with a DBMS
    - List at least 2 responsibilities for each role

THE DAY TO DAY JOBS INVOLVING DATABASES

DATABASE ADMINISTRATORS (DBA)

Chief Responsibilities:

- Giving new people access to the database (and revoking access)
- Installing and upgrading the DBMS
- Monitoring usage of DBMS
- Monitoring and improving performance
- Checking for security violations
- Backing up and restoring databases

DATABASE DESIGNER

Chief Responsibilities:

- Identifying all the data to be stored
- Identifying the relationships between the data
- Creating a model of the data
- Structuring the data (picking the tables and which tables to store the data in)
- Communicating with the end users to identify their needs
- Creating views of the data that satisfy the needs of the end users

SYSTEM ANALYSIS AND APPLICATION PROGRAMMER

Chief Responsibilities:

- **Determine the needs of the end users**

- **Develop specs for the system**

- **Develop software that implement the specs using a programming language that will talk to the database**

- **Test the implementation**

- **Communicate with the end users**

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END USERS

Chief Responsibilities:

- Access the database by generating reports

- Access the database via the software create by the application programmers in order to update, maintain and query the database.

- Normally doesn't access the database directly but a standalone end user might if using a small personal database.

WHAT ROLES WILL YOU TAKE ON IN THIS COURSE?