

Database Design

1-3: History of the Database

Practice Activities

Objectives

- Describe the evolution of the database and give an example of its role in the business world
- Name important historical contributions in database development and design
- List and explain the three major steps in the database development process

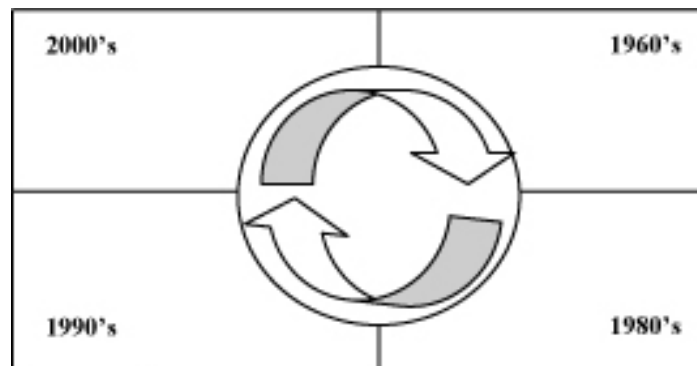
Vocabulary

Identify the vocabulary word for each definition below.

	A relational database chart that is used to map the information from the entity relationship diagram
	The unique identifier for each row of data
	Links data in one table to the data in a second table by referring to the PK column in the second table
	Indicates if a column must contain a value
	Indicates if the value in the column is unique within the table
	Refers to the format and definition of the data in each column

Try It / Solve It

1. Complete the diagram by listing the important events in the evolution of the database. Draw a line from each event to the era in which it falls.



2. True or False: The Personal Digital Assistant (PDA) was an important historical contribution in database development and design
3. Name two important historical contributions in database development and design.
4. If Building the database is the third major task in the database development process, then what are the first two major tasks?
5. (Optional) List at least three timeline events in the evolution of the database.

6. (Optional) To most of us, the Internet has become an essential element in the way we communicate, the way we do business, and the way we learn. Surprisingly, few people really know the names of the people and the events that have contributed to its phenomenal growth.

In this activity, you and your classmates will construct a wall mural timeline of the major historical events in Internet history. Using Internet resources, your group will be assigned one topic from the research list below. Your group's task is to gather information to add to the classroom timeline:

Find at least four events that illustrate your topic. Each event must have a person, place, and/or thing associated with it. Add your group's information to the timeline.

Research List:

- Historical thinkers: people without whose inventions computers and communication as we know it today could not be possible
- Enablers: universities, government agencies, and businesses that contributed to the idea of the Internet and birth of the Internet
- Communicators: people who developed computer languages, computer networks, and the technology for one computer to communicate with another
- Innovators: people and businesses that enabled the average person to be able to use a computer and communicate on the Internet
- Movers and shakers: people and companies that transformed the Internet into a virtual mall of information and services