COMM1822

Term 2 2022



for Business Analytics

Assignment Project Exam Help

Week 1 Introduction//

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UNSW Business School acknowledges the Bidjigal (Kensington campus) and Gadigal (City campus) the traditional custodians of the lands where each campus is located.

Assignt

We acknowledge all Aboriginal and Torres Straittp Islander Elders, past and present and their communities who have shared and practiced their teachings over thousands of years including decided business practices.

We recognise Aboriginal and Torres Strait Islander people's ongoing leadership and contributions, including to business, education and industry.

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UNSW Business School. (2022, May 7). *Acknowledgement of Country* [online video]. Retrieved from https://vimeo.com/369229957/d995d8087f



COMM1822 Lecture and Tutorial

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Plan: W1 Learnings

- Data vs. information
- Data stored in databases

• Database management systemic project Exam Help

Database design defines database structure

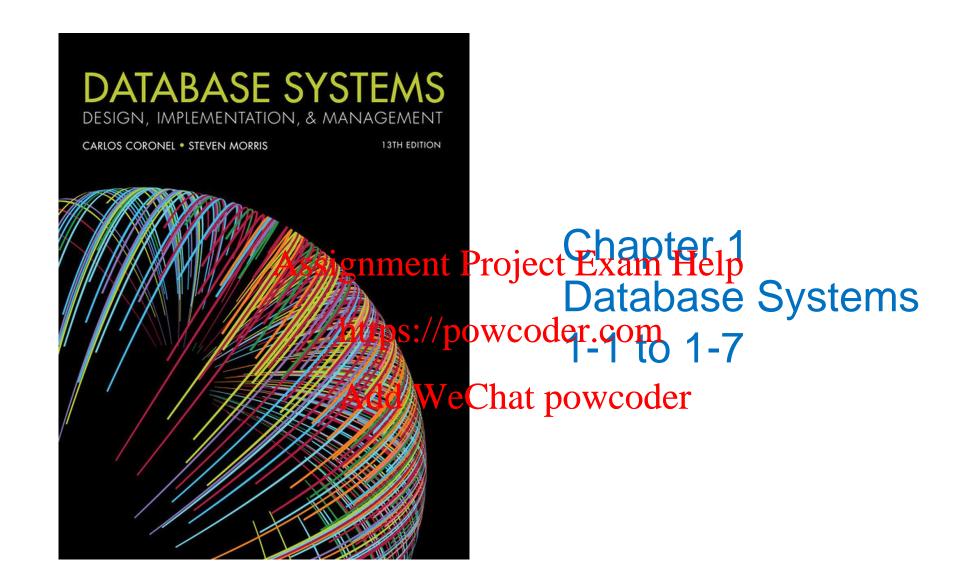
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The next big thing: big data

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Data vs Information

Data

Information

Assignment Project Exam Help • Produced by processing raw

Raw facts

- Have not yet been processed tops://powcoderdata.to reveal its meaning reveal their meaning to the end Requires context
- user Building blocks of information WeChat powcoder of knowledge

- Should be accurate, relevant, and timely to enable good decision making

e.g., marks for your quiz, assignment, ..., in a course

e.g., WAM (Weighted Average Mark) -> How you did at UNSW

Introducing Database

- A shared, integrated computer structure that stores a collection of:
 - End-user data Raw facts of interest to end user
 - Metadata: "Data abput data" webiter the independent of and managed

Like a steward

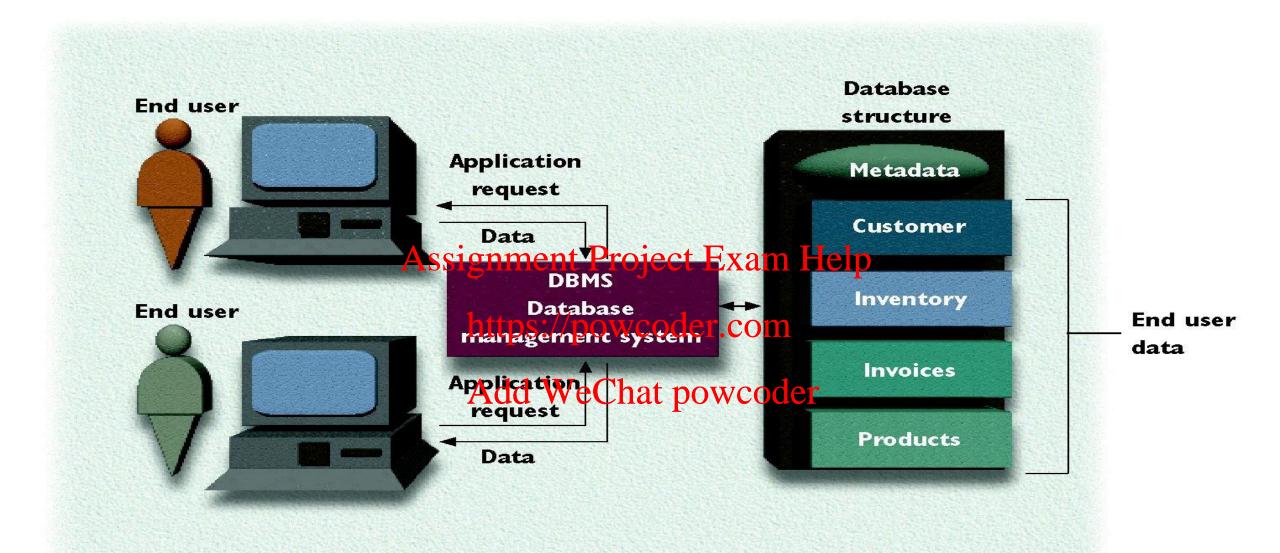
- ☐ Describe data characteristics Canatrelations the ps
- Database management system (DBMS)
 - Collection of programs
 - Manages the database structure
 - Controls access to data stored in the database

Interested in

e.g., a set of dates

→ Start of a project,
Evaluation of the
progress, End of the
project, ...



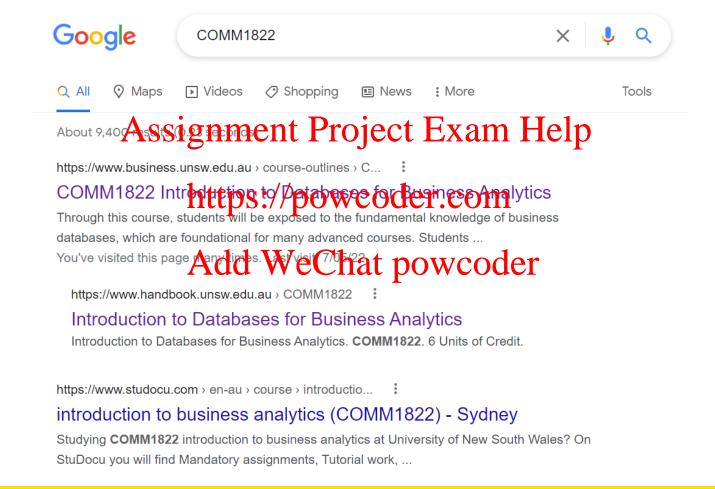


Metadata (Data Dictionary) Example

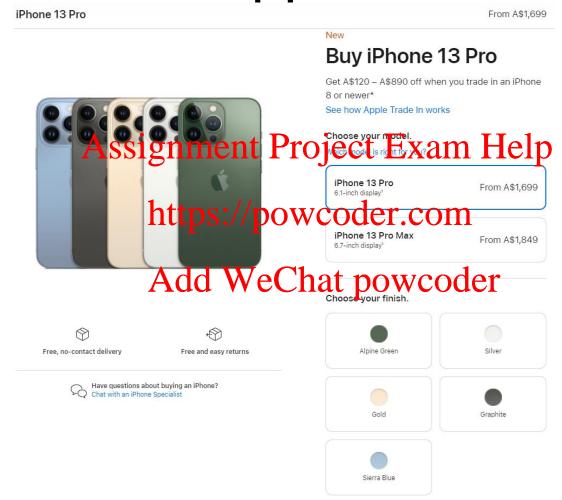
Data Item		Value			
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Semester	Alphanumeric	10			Semester and Year
Name	Alphanumeric A	dd WeChat	powcoder		Student Name
ID	Integer	7			Student ID

Alice Tomson (zID: 1234567) takes COMM1822 Introduction to Databases for Business Analytics (Class: 1) in Term 2 2022.

Data in Context: Google



Data in Context: Apple



Basic Terminology

- Character: Most basic element of data.
- Field: Contains data (composed of characters).
- · Record: Set of related fieldsignment Project Exam Help
- Database: Collects related records://powcoder.com
- DBMS: Manages the database.

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Related records combine to create a database file

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Source: psu.edu

History of Handling Data

not efficient

Manual filing systems.

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Computerised filing systems yia data files coder.com

Database systems.

more efficiently



Source: bizfluent.com

Advantages of Database Systems

- Reduced data inconsistency and anomalies.
- Reduced data redundancy and improved data sharing. e.g. data storage Increased application development productivity.
- Reduced data structumated pendency comblems.
- Easier to create, access, modify and delete data.

 Enforcement of standards. e.g., Marketing & Business Analytics Departments using the same dataset
- Central security. e.g. who can access what data someone can write/modify data; someone can only read data
- Standardized backup and recovery.
- Concurrency handling.

Recap: W1 Learnings

- Data vs. information
- Data stored in databases
 Assignment Project Exam Help
 Database management system (DBMS)
- Database design definest parages estates and a parages of the states and the states are a second and the states are a second as a second and the states are a second as a second and the states are a second as a
- The next big thing: big data WeChat powcoder

Questions



Source: tryinteract.com