Business School
UNIVERSITY OF COLORADO **DENVER**

Information Systems Program

Module 2
Introduction to Databases and DBMSs

Lesson 3: DBMS Overview and Database Definition Feature

Lesson Objectives

- Define DBMS

- Explain DBMS product variations

- Discuss the essential difference between a DBMS and desktop software

Database Management System (DBMS)

- Collection of components that support data acquisition, dissemination, storage, maintenance, retrieval, and formatting

- Product variations
  - Enterprise DBMSs
  - Desktop DBMSs
  - Embedded DBMSs

- Major part of information technology infrastructure
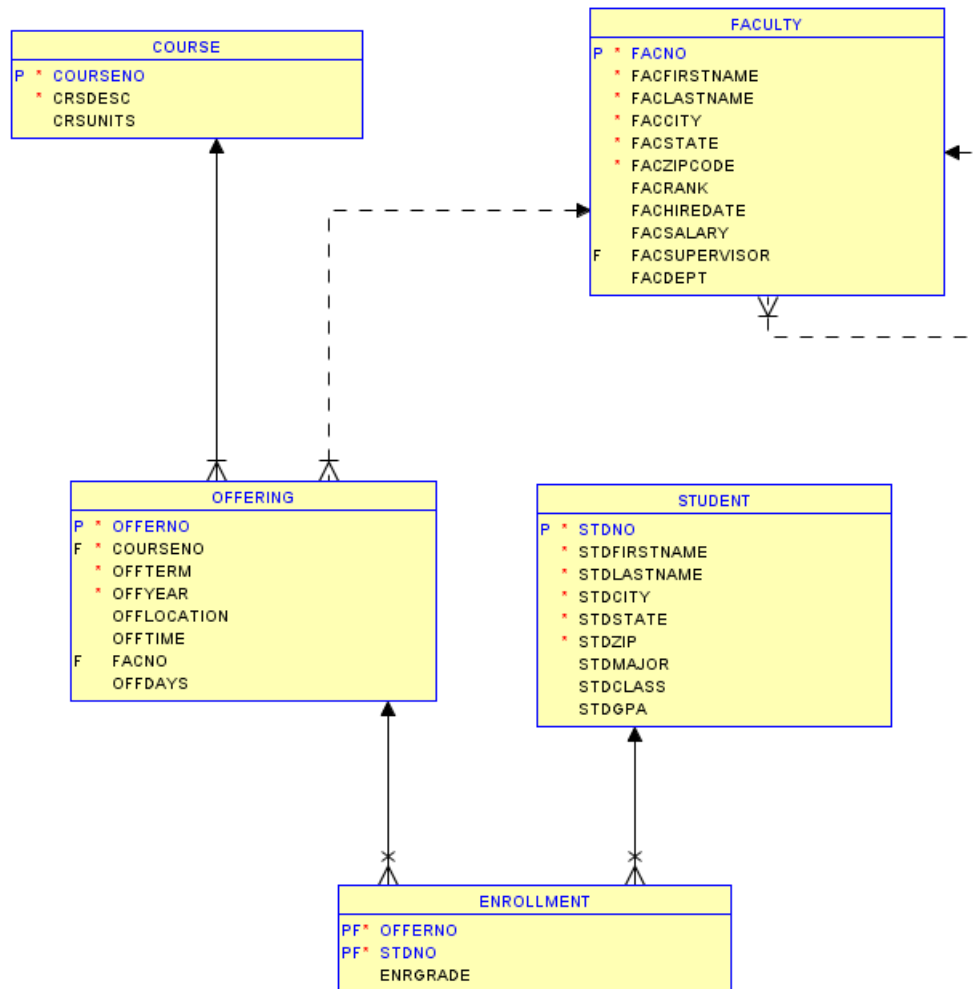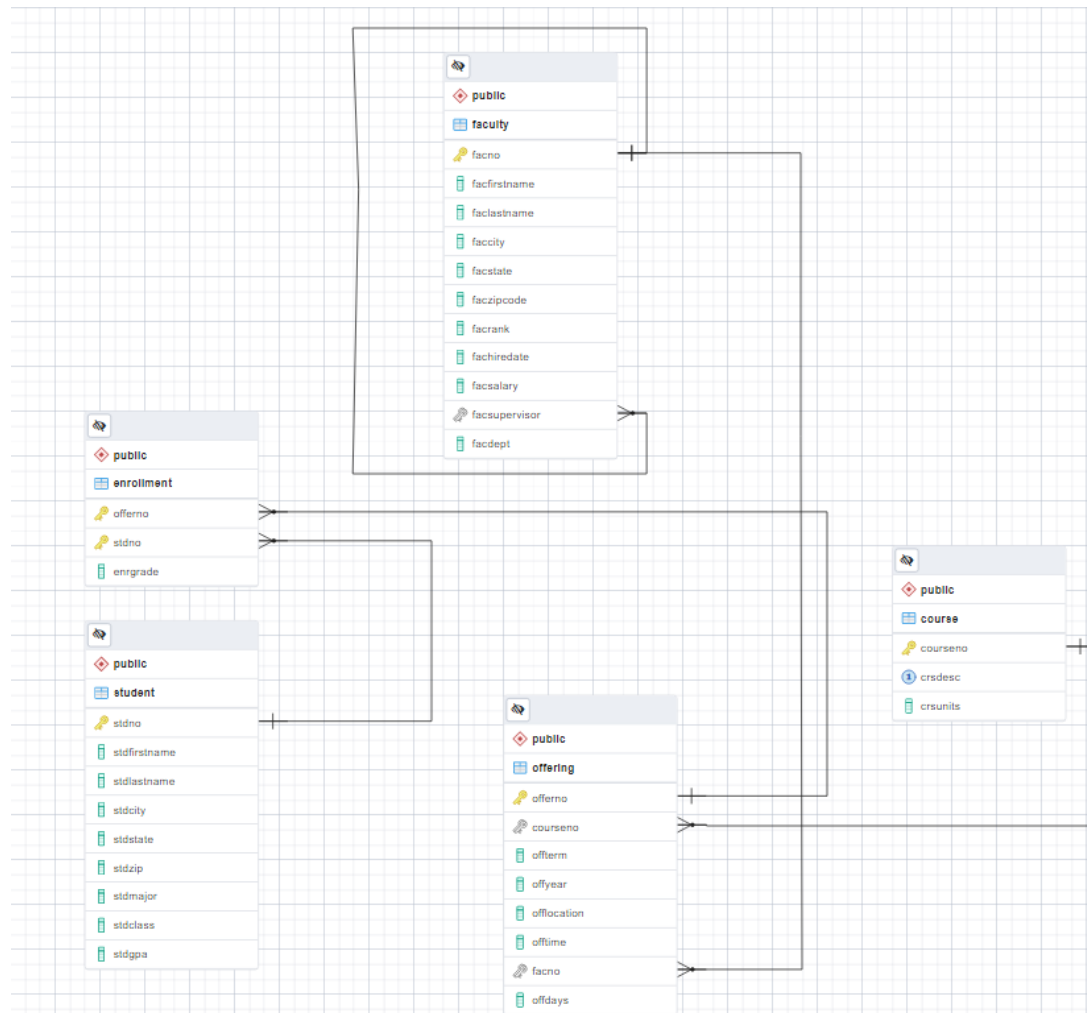
Database Definition Feature

- Define database before populating and using a database

- Tables and relationships

- SQL CREATE TABLE statement

- Graphical tools

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Oracle Relational Diagram

pgAdmin Database Diagram

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Summary

- Database technology supports daily operations and decision making

- Define database before using it

- Nonprocedural access is a crucial feature