



Lab 5



Outline

- 1. Access database**
- 2. General process of software development**
- 3. Assignment5**
- 4. Assignment4 review**



1. Access database

- a. Environment configuration
- b. Install package
- c. Programming

<https://www.connectionstrings.com/microsoft-access-accdb-odbc-driver/>



2 General process of software development

- 1: Problem definition stage
- 2: Feasibility study phase
- 3: Demand analysis phase
- 4: Summary design stage
- 5: Detailed design stage
- 6: Database design phase
- 7: Software specific coding stage
- 8: Software testing phase
- 9: Software operation and maintenance phase



Example



Assignment5



Content

- ✓ **Improved the former application (programming)**
- ✓ **Use ODBC or JDBC to access database**
- ✓ **Use Java/VC/VB/Delphi to program**
- ✓ **Improve functions which is hard to implement in the former exercise**
 - Login / logout (general customer / administrator)
 - Associating between interface components
 - Mutual access to database

...



Demand

- Hand in a report about the assignment:
 - Main Contents**
 - Database design**
 - Function design (include login)**
 - Software design & implementation(at least 2 interface)**
 - Database query**
- Package your database, source code, executable file into a zip file Sno_A5.zip.



Submission

- File name format:
 StudentNumber_A4.zip
including:
 report_A5.doc
 university_A5.accdb
 source code
 executable file

Deadline: Beijing time, December 17th, 00:00:00



Assignment4

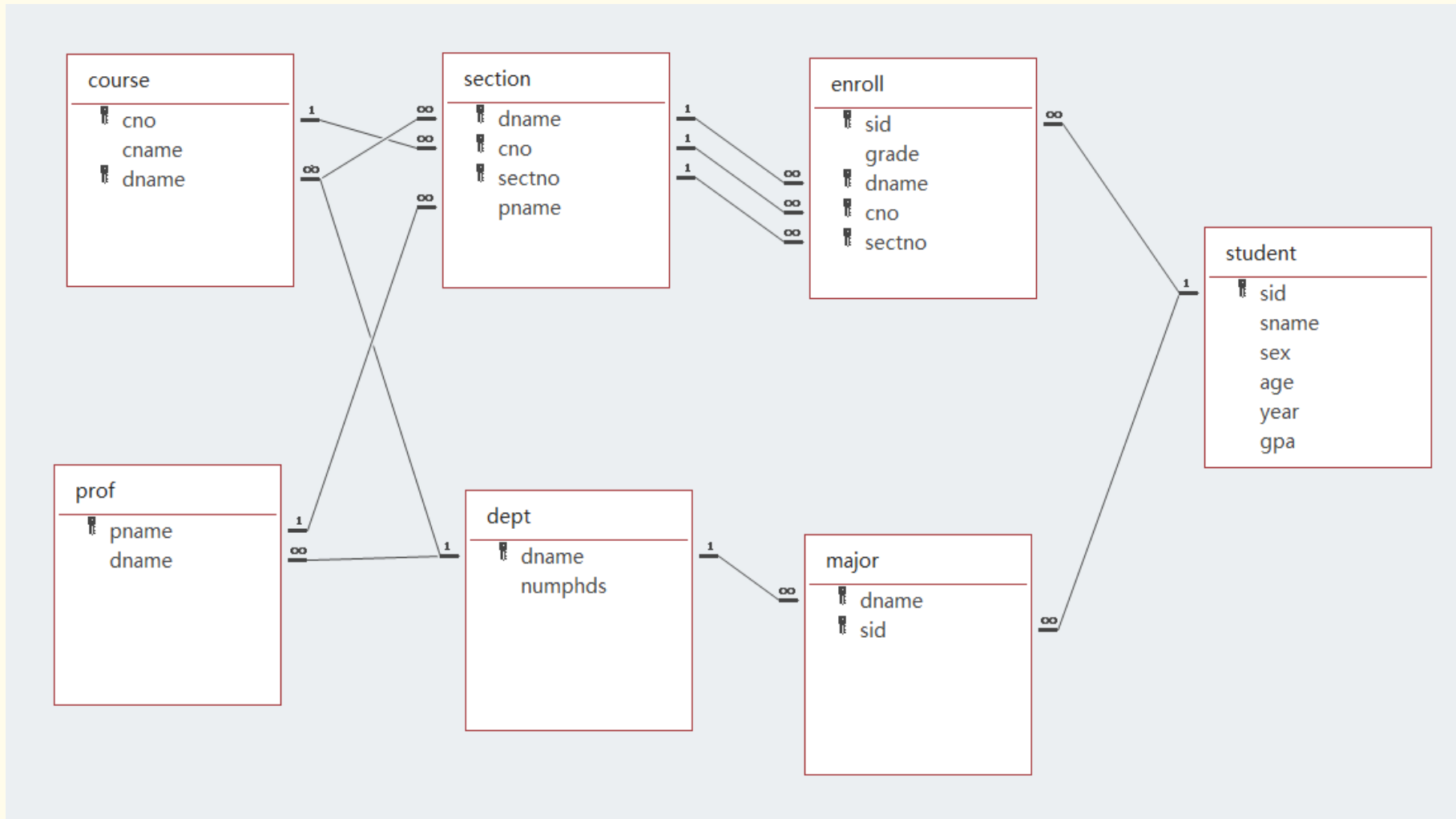
Review



Assignment4 Review

- ✓ 完整性约束设计截图
- ✓ SQL语句及结果分析

Assignment4 Review





Assignment4 Review

- 优秀作业