CSCI 403
Database Management

1 – Introduction

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Introductions

Instructor:

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- TBA
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What This Semester Is About

Learning objectives:
- Database structure and design
  - Modern relational database model
  - Entity-Relationship diagrams
- SQL for manipulating data and structure of relational databases
- Foundations of relational database theory
  - Relational algebra
  - Normal forms and normalization
- Using databases in applications (e.g., via Java, Python)

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Course Information

All course info is on the web at:

https://cs-courses.mines.edu/csci403/spring2019

Lecture notes and assignments will be added regularly, so please check the site frequently!

We will also use Piazza for much of our communications (rather than Canvas), so it is important that you are on Piazza. It is linked from the course website.

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What is data? What is a database?

Discussion time!

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Up Next

- Next lecture:
  High level view - architectural concerns, client-server architecture. History of databases. Modern developments.

- Please skim chapters 1 – 2 in your textbook

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