CMPSC 174A/174N Database System

Discussion Session

Friday, 9:00am-9:50am

Zexi Huang

Session 1
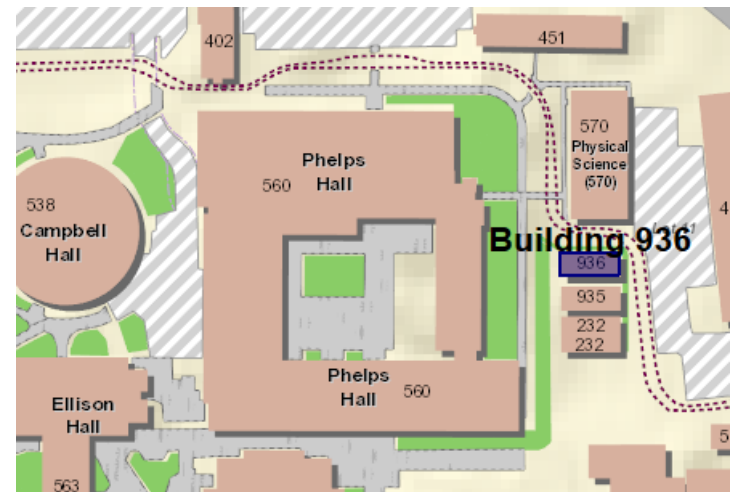
Logistics

Zexi Huang (*the sea*)

zexi_huang@cs.ucsb.edu

- **Office Hour** on Wednesday, 10-11am, and 3.45-4.45pm, at Building 936, or by appointment.

- **Other TA**: Anupriya (anupriya@umail.ucsb.edu), office hour on Wednesday 3-4pm and Friday 2-3pm, at Building 936.

About Discussion Sessions

- **Who am I?**
  - First-year PhD student in Computer Science.
  - Research interest: data mining in networks.
  - How about you? Why do you choose this course?

- **My role as your TA**
  - Just another classmate that has a little bit more knowledge (hopefully) about database.
  - Readily available for discussion on course-related problems, application for grad schools, research topics in data science, etc.

- **Expectations and feedbacks**
  - What do you expect in discussion sessions?

About the course

- **Textbook:** Database Management Systems (3rd edition)

- **Questions:**
  - General questions about the course and its contents: Gauchospace.
  - Individual questions: visit me during office hours or send me an email.

- **Project (for 174A only):**
  - Proficiency in Java.
  - Early report + Demo (bonus if completed early).

- Any other questions about the course?

Why database?

- Why not use a spreadsheet?

	A	B	C	D
1	**Student Name**	**Student Email**	**Advisor Name**	**Advisor Email**
2	Joshua Smith	joshua@ucsb.edu	Richard Williams	richard@cs.ucsb.edu
3	Alfred A. Rose	alfredrose@ucsb.edu	George Evans	evans@ucsb.edu
4	Jimmy Clark	jimmyclark@ucsb.edu	Liang Wang	lwang@cs.ucsb.edu
5	Vladimir Bravenec	vladimir@ucsb.edu	Nicholas Thomson	nicholas@cs.ucsb.edu
6	Tomohiko Sai	tomohiko@ucsb.edu	George Evans	evans@ucsb.edu

- What happens if Jimmy graduates?
- What happens if Prof. Evans wants to change his email?
- What happens if a new professor, Prof. Lamar Thomas, joins the school?

7	???	???	Lamar Thomas	thomas@cs.ucsb.edu

Development of Oracle Database

Version	Release Date	New Features
Oracle v2	1979	first commercial **SQL-based** DBMS
Oracle v3	1983	**concurrency control**, scalability
Oracle v4	1984	multiversion read consistency
Oracle v5	1985	distributed database systems
Oracle v6	1988	**online backup and recovery**
Oracle 7	June 1992	PL/SQL stored procedures
Oracle 8*i*	1998	**native internet protocols and Java**
Oracle 9*i*	2001	Oracle Real Application Clusters (RAC)
Oracle 10g	2003	**grid infrastructure**
Oracle 11g	2009	cluster file system, data redaction
Oracle 12c	September 2016	**database cloud service**
Oracle 18c	February 2018	active directory integration

From Wikipedia.