

# CS 325 Week 1-1

Database Design: Class Introduction

# Agenda

- "TODAY" We Will
  - introductions and explanations
  - intro CS 325's "big idea"
  - info about the syllabus
  - intro to course public and Canvas sites
  - an example of a clicker question
  - a little start to databases, DBMSs, and applications...
  - prep for next class

# Professor Contact Information

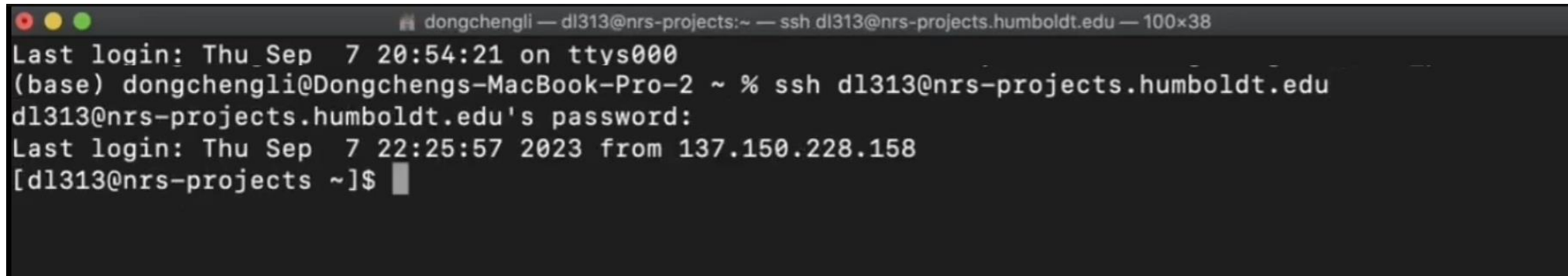
- Dr. Dongcheng Li
- Instructor's office: BSS 328
- Instructor's e-mail: [dl313@humboldt.edu](mailto:dl313@humboldt.edu)
- Instructor's phone: (217) 926-3588
- Instructor's office hours: Monday 4:00-5:00 pm and Saturday 11:00-12:00 pm, or by appointment

# CS 325: Database Design

- Relational Databases:
  - Understanding what relational databases are.
  - Learning how to model real-world scenarios.
  - Converting scenario information into a relational database.
- SQL:
  - Overview of SQL as a standardized language.
  - Using SQL to query and manipulate database data.
  - Focus on the Oracle version of SQL.

# Required Software

- You will be using Oracle sqlplus (on the command line) on nrs-projects.humboldt.edu for this course

A terminal window with a dark background and light text. The title bar at the top shows a red, yellow, and green window control icon, followed by the text 'dongchengli — dl313@nrs-projects:~ — ssh dl313@nrs-projects.humboldt.edu — 100x38'. The terminal content shows the following sequence of text: 'Last login: Thu Sep 7 20:54:21 on ttys000', '(base) dongchengli@Dongchengs-MacBook-Pro-2 ~ % ssh dl313@nrs-projects.humboldt.edu', 'dl313@nrs-projects.humboldt.edu's password:', 'Last login: Thu Sep 7 22:25:57 2023 from 137.150.228.158', and '[dl313@nrs-projects ~]\$' followed by a cursor.

```

dongchengli — dl313@nrs-projects:~ — ssh dl313@nrs-projects.humboldt.edu — 100x38
Last login: Thu Sep 7 20:54:21 on ttys000
(base) dongchengli@Dongchengs-MacBook-Pro-2 ~ % ssh dl313@nrs-projects.humboldt.edu
dl313@nrs-projects.humboldt.edu's password:
Last login: Thu Sep 7 22:25:57 2023 from 137.150.228.158
[dl313@nrs-projects ~]$

```

# Project

- Project Scenario Milestone
- Project Model Milestone
- Project Design Milestone
- Project Population Milestone
- Project Presentation Milestone
- Project Final Milestone

# In-Class Question and Quiz

- In-class question
- Pop Quiz

# Homework and Lab


- Homework
- Lab Sessions:
  - Section 11: Friday - BSS 313, 1:00 - 2:50 pm
  - Section 12: Friday - BSS 315, 3:00 - 4:50 pm
  - Section 13: Friday - BSS 315, 9:00 - 10:50 am





# Course Canvas Site


Cal Poly Humboldt


canvas


Account


Dashboard

Courses

Calendar

Inbox

History

CS 325 41055 > Modules

Fall 2024

Home

Discussions

Grades

People

Files

Syllabus

Modules


BigBlueButton

Collaborations


Chat

Collapse All


▼ Syllabus

 07 CS325 Course Syllabus Fall 2024.pdf

▼ Week 1 Materials

 F24-325-01-db-processing-and-development.pdf

# CS 325 Big Idea

 Menu

All ▾ Search IMDb


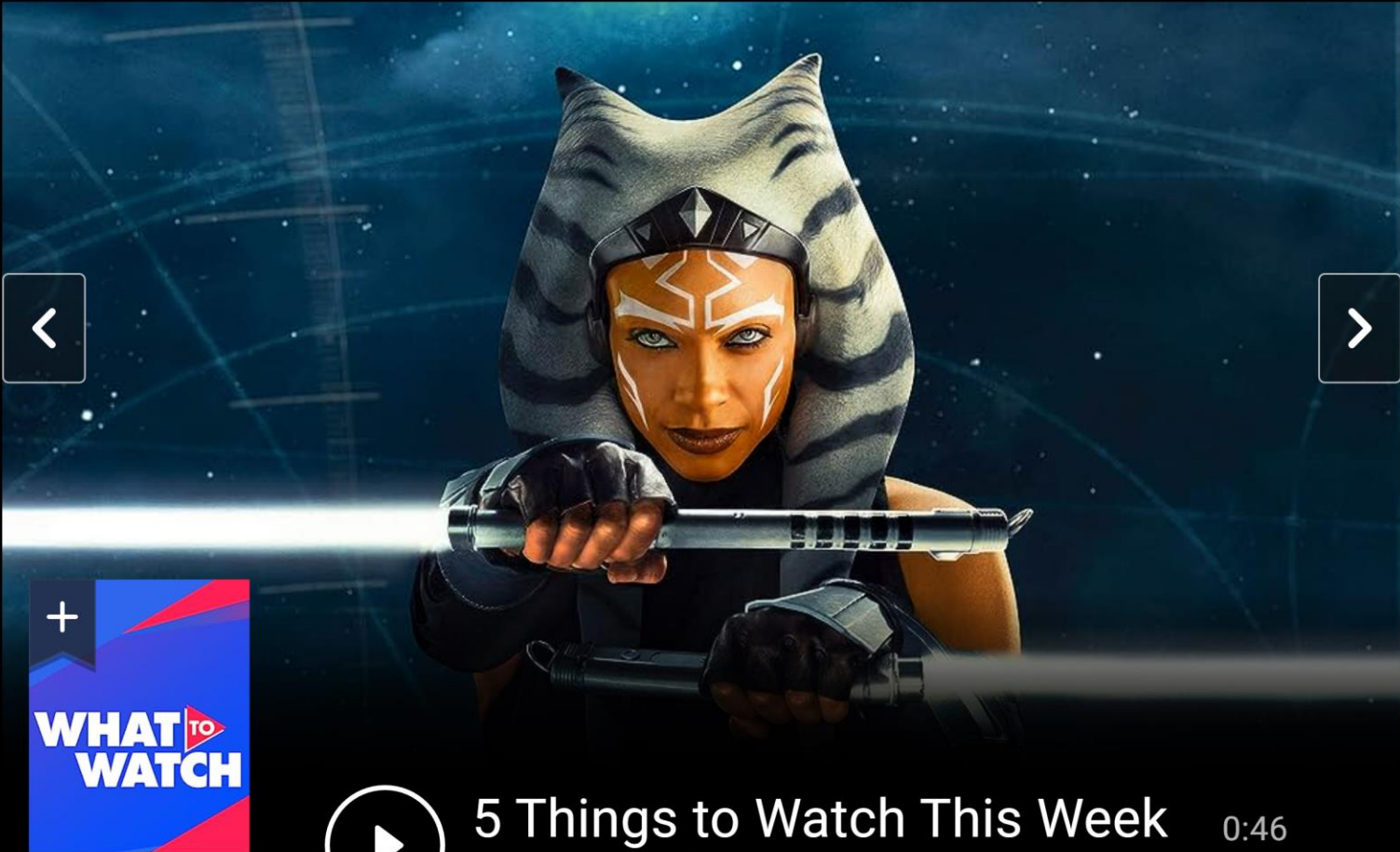
Q

IMDbPro

Watchlist

Sign In


EN ▾



5 Things to Watch This Week 0:46

[https://www.imdb.com/list/ls053181649/videoplayer/vi116705049?ref\\_=hp\\_...](https://www.imdb.com/list/ls053181649/videoplayer/vi116705049?ref_=hp_...) Monkey King,' and More


Up next



2:28

Benicio Del Toro and Justin Timberlake in 'Reptile'


Watch the Trailer for the Netflix Thriller



2:33

Godzilla and King Kong Are Coming to Streaming

All About "Monarch: Legacy of Monsters"



2:25

Daisy Ridley Is 'The Marsh King's Daughter'

Watch the Trailer

Browse trailers >


Question:

Is “imdb.com” a database?

A) Yes

B) No

# CS 325 Big Idea






Tools ▾


PeopleSoft ▴


Faculty/Staff Resources ▾


Faculty Center ▾

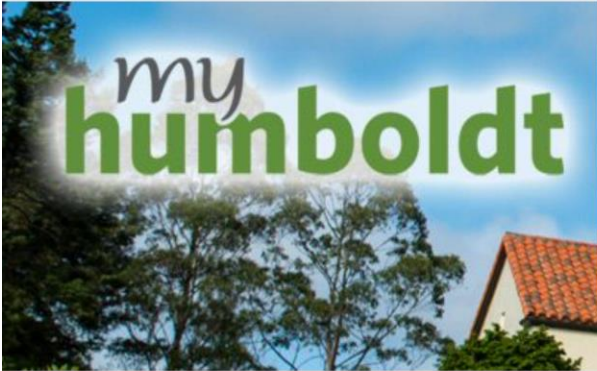
My Menu ▾





 You have successfully signed in to my


 Campus Solutions







 Campus Solutions Navigation Help

 HR Center

 Student Center

 Faculty Center



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Welcome Dongcheng Li

# Next Class...

- Database processing and development
- Simple Linux Commands