



# INLS 490-154W: Information Retrieval Systems Design and Implementation

Fall 2009 Web-based course

**IR with MySQL and Text Files**  
*Moving from structured to unstructured IR*

**Chirag Shah**

School of Information & Library Science (SILS)

UNC Chapel Hill

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## Last time

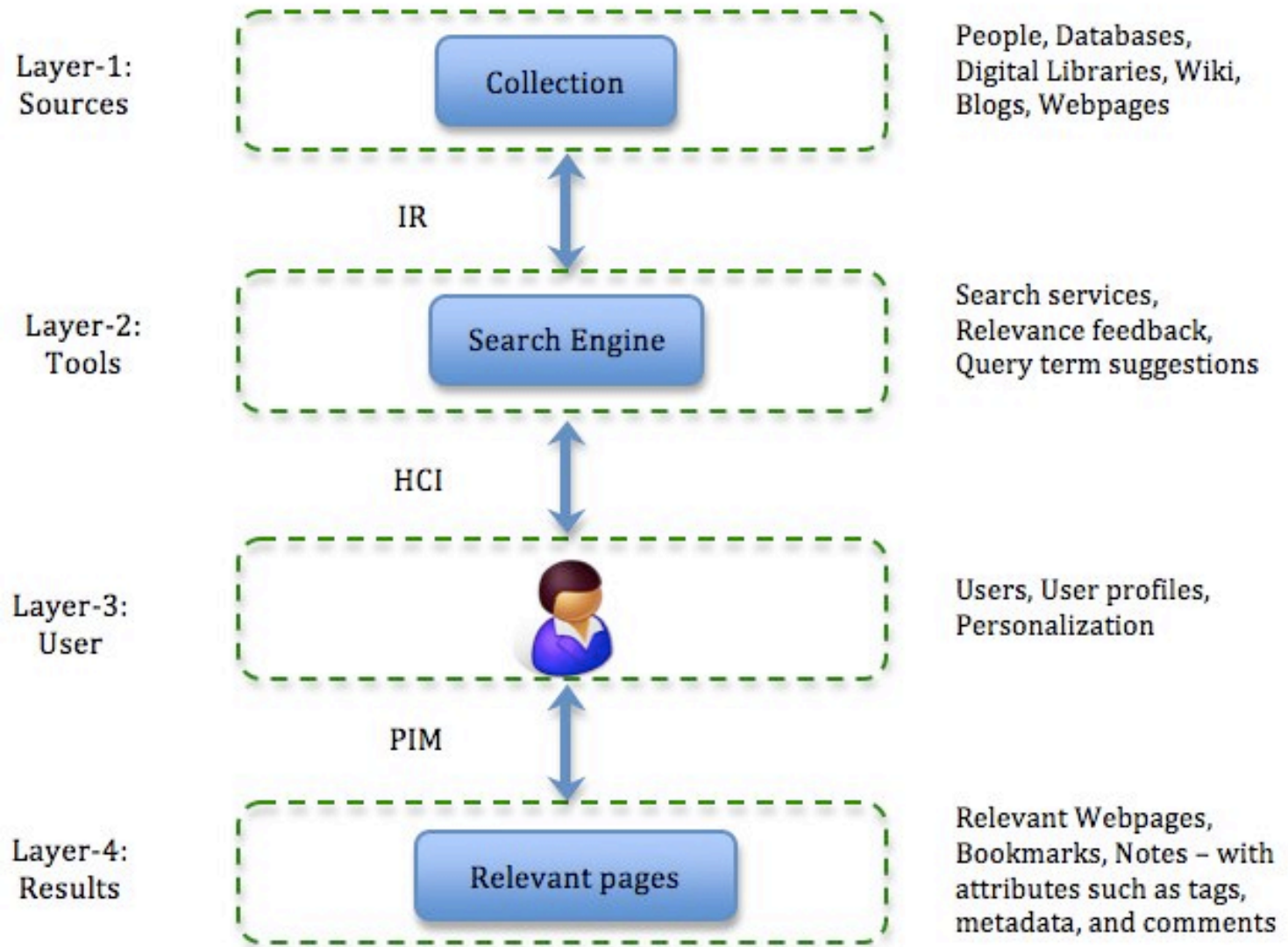
- Setting up your system
- Access MySQL database
  - *use*
- Create tables, insert data
  - *create table*
  - *describe table*
  - *insert into*
- Retrieve data
  - *select*



## Today's lab

- Perform text searches on MySQL
- Build full-text search index for MySQL
- Play with PHP
- Develop a front-end for accessing MySQL data
- Work with text-files for indexing and retrieving

# A model for information seeking





## Summary

- Full-text searching in MySQL
- Front-end of a MySQL database for IR
- Searching through text files
  
- Concepts:
  - Field search vs. Full-text search
  - Serial scanning
  - Bag-of-words
  - Indexing
  - Stopwords
  - Stemming

## Next time

- Extend our understanding of IR “model” by taking it out in the “open field”
- Setup Lemur Toolkit for language modeling and information retrieval
- Index a collection of documents and get them ready for search and retrieval

