



What Are Databases For?

- Search algorithm compiler
 - Queries specify what to find, not how
 - Optimizations
 - Content heuristics
 - Physical characteristics (e.g. page size)
 - Indexes, Etc...
 - Runtime compiler
- Concurrency control
 - Manage concurrent read/write
 - $\ {\sf Transactions}$
 - ACID: Atomic, Consistent, I solated, Durable

Course Rules

- Listen
- Make mistakes
- Speak clearly
- Show respect
- · Think deeply
- Be creative
- Have fun