A “look under the hood” course

• Understand what going on
  => Make better choices in DB design and use

• Major CS issues applied
  – Specification/modeling/correctness
  – Algorithms and cost analysis
  – Concurrency control and reliability
What we have skipped

• Security
  – Access, privacy, views
• Other models than relational
  – XML gives some idea
• Distributed System Aspects
Where DB going?

• Web
  – Pushing new models
  – Pushing more functionality
    ▪ Interoperability
    ▪ Sophisticated Search
    ▪ Data mining

• User interfaces
  – Sophistication hides DB

• DB is partner in much larger endeavor