Books Recommendations



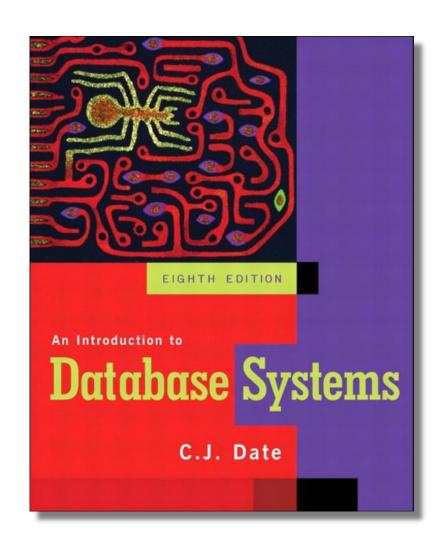


- Christopher .J Date : An introduction to Database Systems (1975 – 2003 – 8th ed)
- Jeffrey .D Ullman : Database Systems The complete book
- Sam. LightStones: Physical Database Design (2010)
- Martin Fowler : UML Distilled (1997)
- Bill Karwin : SQL Antipatterns

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C.J DATE (1975, 2004 8th edition)

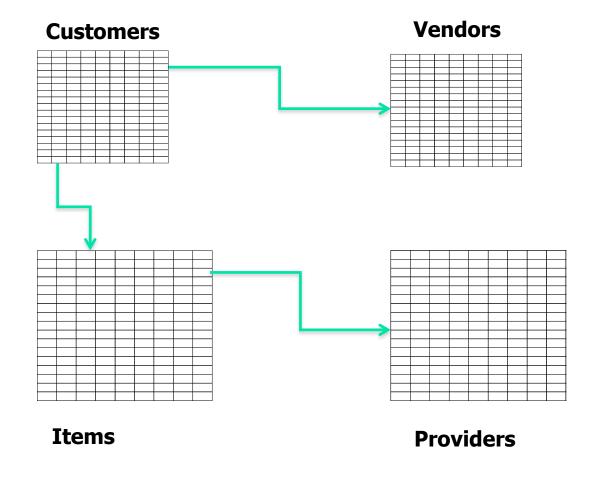




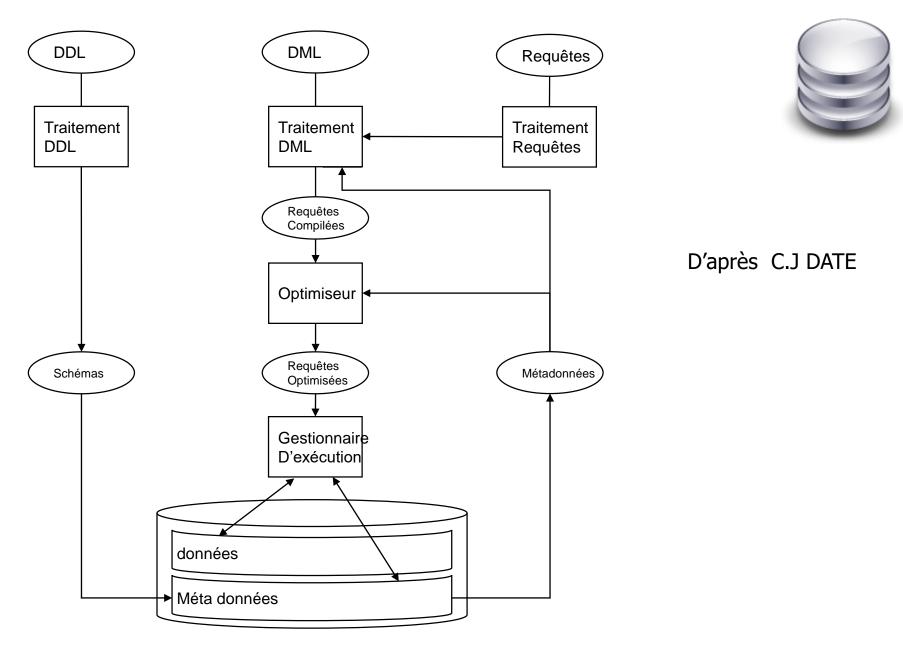


Quiz

Combien de relations voit-on sur ce diagramme ? 3 ou 4 ?

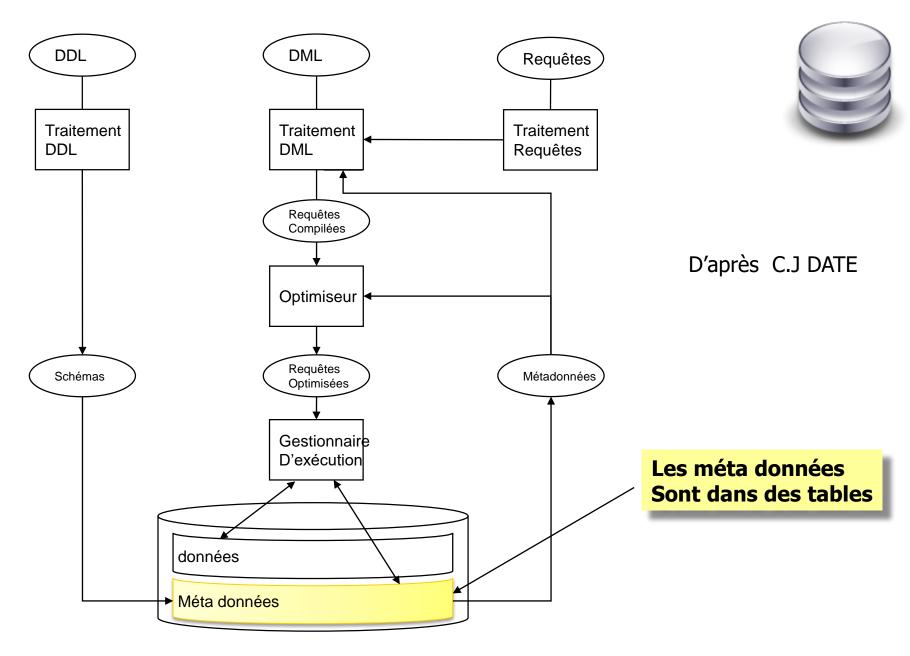






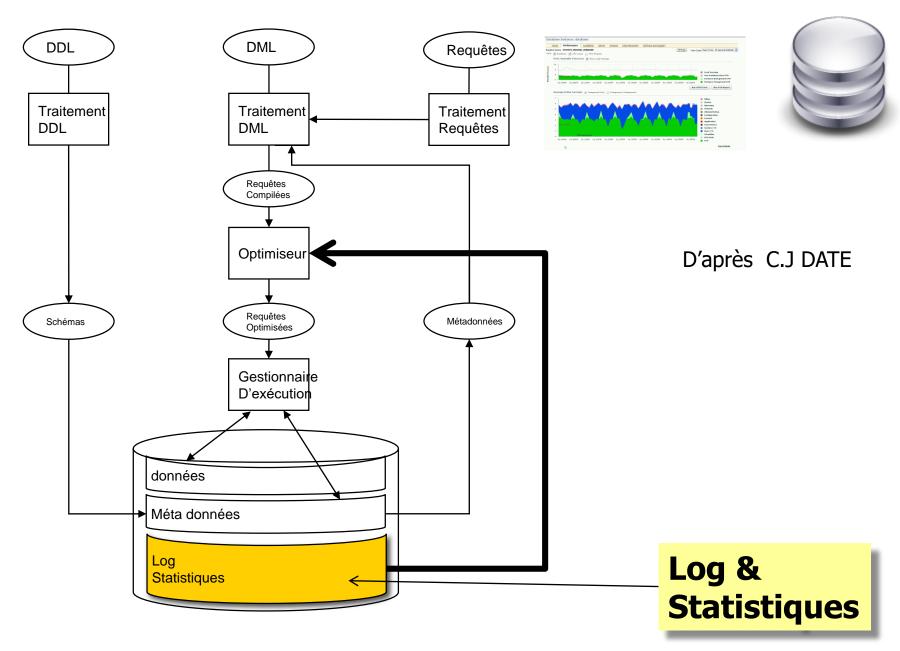
DDL : langage de définition des données; DML : langage de manipulation des données

Emmanuel Fuchs



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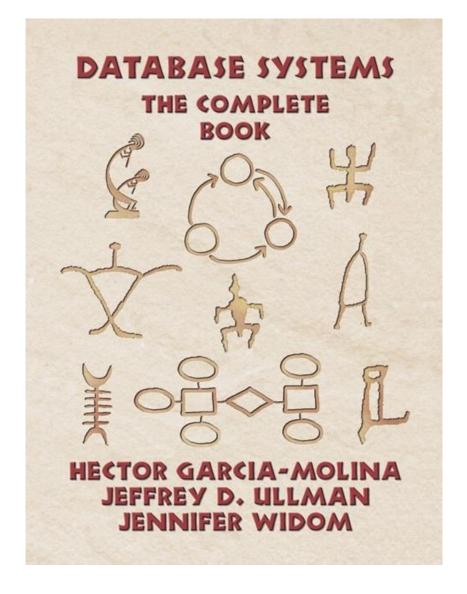


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J.D ULLMAN







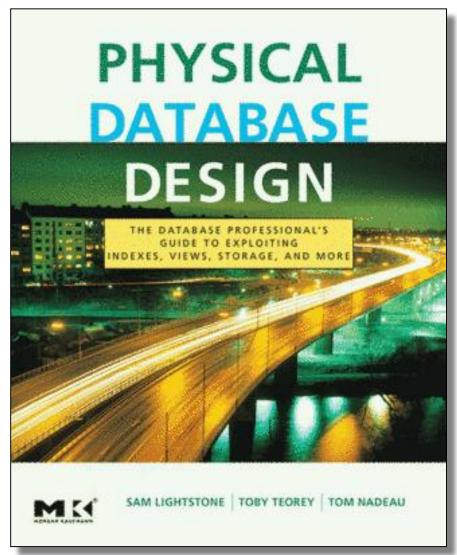




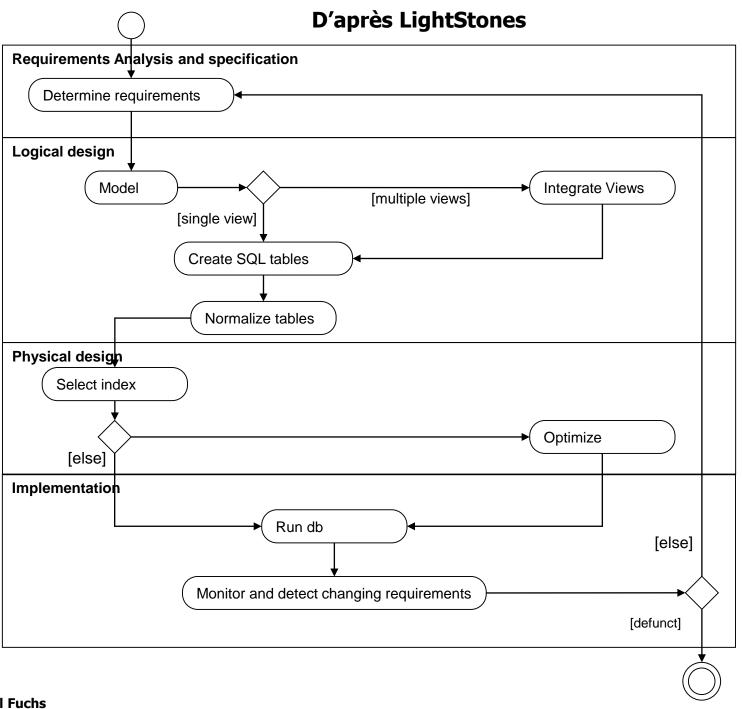
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Sam LIGTHSTONE (2010)









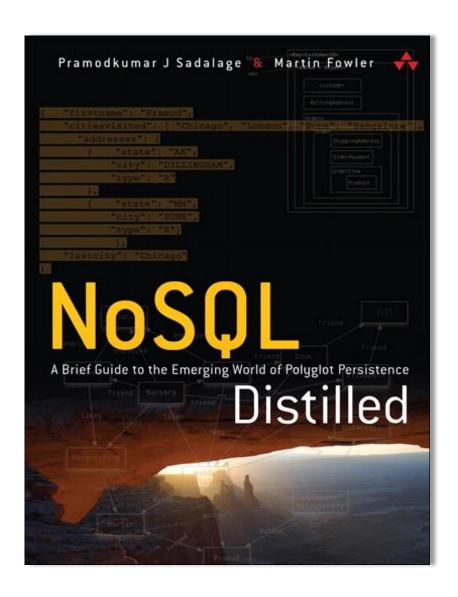




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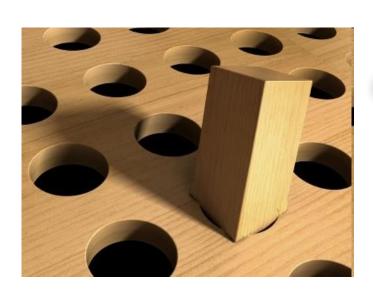
Martin Fowler

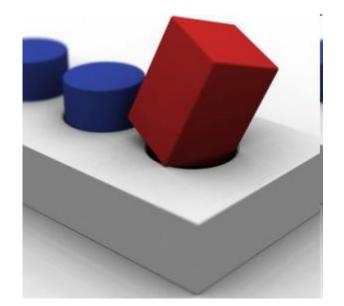












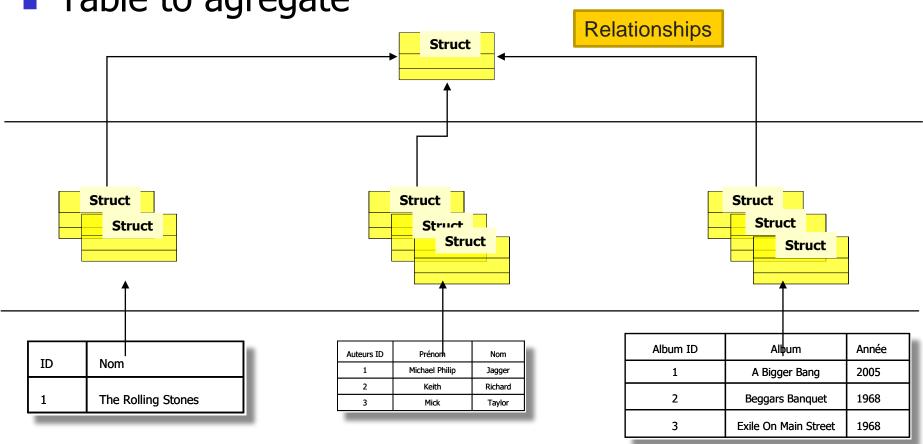
Mapping, Round Pegs into Square Holes

Impedance Mismatch



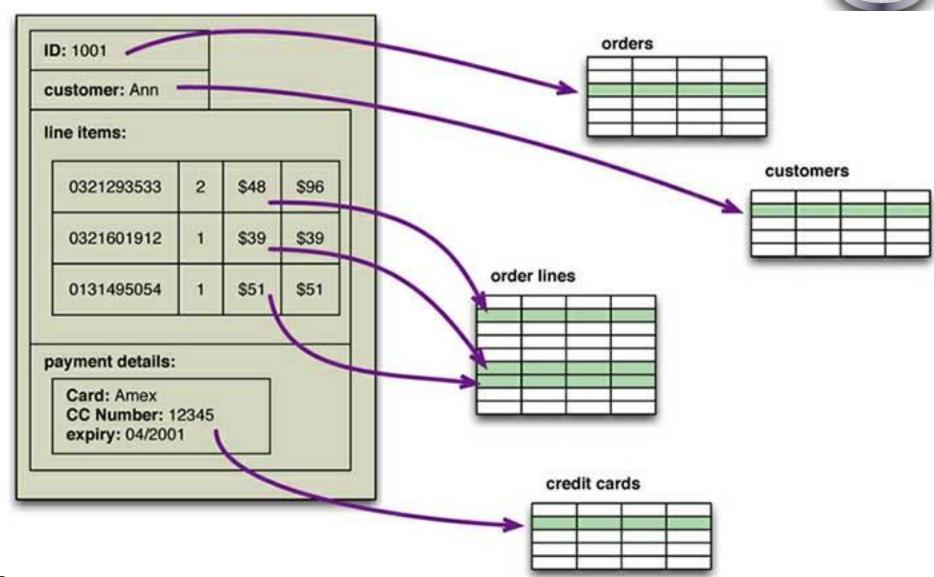
Agregate to table

Table to agregate



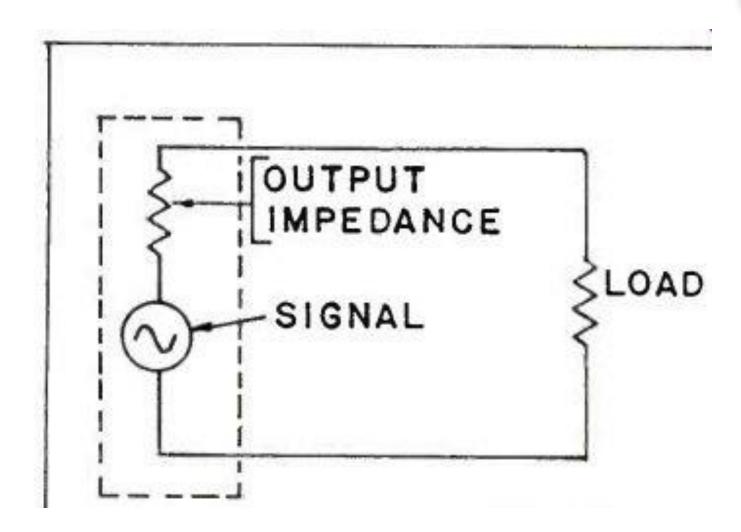
Impedance Mismatch





Impedance Mismatch





Nosql: Not Only SQL



- key Value :
 - Dynamo,
 - Riak,
 - Voldemort : Linkedin
 - **...**
- Document : key where Value=document :
- Column:
 - HBase : Yahoo
 - Cassandra : Facebook
 - Big Table : Google
 - **-**



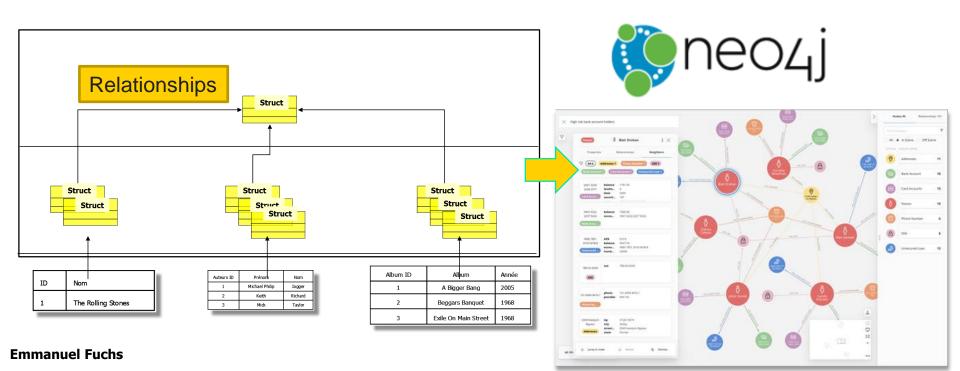
Graph Impedance





- In Neo4j, everything is stored in the form of an edge, node, or attribute.
- Each node and edge can have any number of attributes.

 Network Model: CODASYL



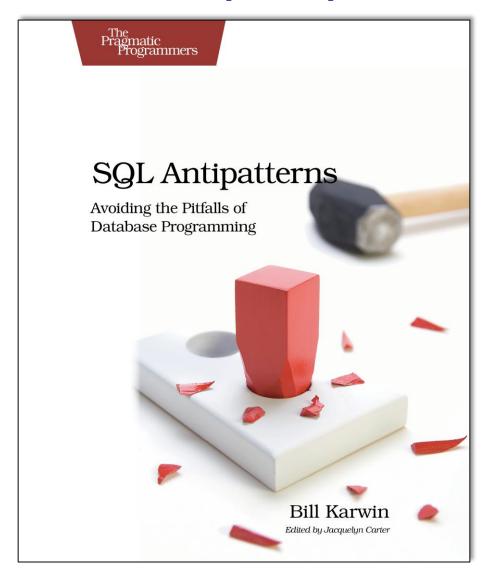


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Bill Karwin (2010)











SQL Antipatterns subparts



- Logical Database Design Antipatterns
- Physical Database Design Antipatterns
- Query Antipatterns
- Application Development Antipatterns

