



# A First Course in Database Systems

Second Edition  
Jeffrey D. Ullman  
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# A First Course In Database Systems

**Guillaume Favre**



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Proceedings of the Twenty-First ACM SIGMOD-SIGACT-SIGART Symposium on Principles of Database Systems, 2002

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*UMAP ILAP Modules*, 2001 SQL-3 Paul J. Fortier, 1999 A major revision of the relational SQL 2 database language in 1991 by the ANSI NCITS resulted in the SQL 3 relational data model with many important new features These features include specifying abstract data types object identifiers object methods inheritance polymorphism encapsulation and most features found in object oriented databases Many of SQL 3 s language components are envisioned to become national AND international standards

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