

SQL Programming & Database Design

**Using
Microsoft SQL Server 2012**

Kalman Toth

Sql Programming Database Design Using Microsoft Sql Server 2012

Kalman Toth

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you are dealing with details lots of them That is the major difference Why is so much of the book dedicated to database design Why not plunge into SQL coding and eventually the developer will get a hang of the design Because high level thinking requires thinking at the database design level A farmer has six mules How do we model it in the database We design the Farmer and FarmAnimal tables and then connect them with FarmerID FOREIGN KEY in FarmAnimal referencing the FarmerID PRIMARY KEY in the Farmer table What is the big deal about it It looks so simple In fact how about just calling the tables Table1 and Table2 to be more generic Ouch Meaningful naming is the very basis of good database design Relational database design is truly simple for simple well understood models The challenge starts in modeling complex objects such as financial derivative instruments airplane passenger scheduling or a social network website When you need to add 5 new tables to a 1000 table database and hook them in define FOREIGN KEY references correctly it is a huge challenge To begin with some of the five new tables may already be redundant but you don't know that until you understand what the 1000 tables are really storing Frequently learning the application area is the biggest challenge for a developer when starting a new job The SQL language is simple to program and read even when touching 10 tables Complexities abound though The very first one does the SQL statement touch the right data set 999 records and 1000 or 998

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SQL Server 2012 Reporting Services Paul Turley, Robert M. Bruckner, Thiago Silva, Ken Withee, Grant Paisley, 2012-05-23 A must have guide for the latest updates to the new release of Reporting Services SQL Server Reporting Services allows you to create reports and business intelligence BI solutions With this updated resource a team of experts shows you how Reporting Services makes reporting faster easier and more powerful than ever in web desktop and portal solutions New coverage discusses the new reporting tool called Crescent BI semantic model's impact on report design and creation semantic model design and more You'll explore the major enhancements to Report Builder and benefit from best practices shared by the authors Builds on the previous edition while also providing coverage of the new features introduced with SQL Server 2012 Explains Reporting Services architecture and BI fundamentals Covers advanced report design and filtering techniques walking you through each design discussing its purpose and the conditions where it could be more efficient Discusses semantic model design Report Builder Crescent and more Targets business analysts and report designers as well as BI solution developers Professional Microsoft SQL Server 2012 Reporting Services is mandatory reading if you are eager to start using the newest version of SQL Server Reporting Services

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Beginning SQL Server 2012 for Developers

Robin Dewson,2012-06-13

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