

Database Testing Online Training Contents

Database Testing COURSE CONTENTS

DATABASE TESTING CONCEPTS PRIMER

The Database Component: What is a Database Application?
Testing at the Database layer
Why should Test professionals know DB Basics?
The DB component: What is a Data-Based Application?
Back end vs. Front End Testing
Examining the data's round trip through the app
Common problems in Relational Databases that affect the Database Application
Testing the Application vs. Testing the DBMS
Knowledge Requirements for Database Testing
Test Plan: Organizing your approach
Data must pass Quality Assurance too!
Test Set up

RELATIONAL DATABASE BASICS FOR TESTING

Why should Test professionals know Relational DB basics?

WHAT'S A RELATIONAL DATABASE?

Types of Data Integrity
Lack of data integrity introduces bugs
Identifying Design Defects
Inspecting table structures to reveal design problems
Exploratory Testing: Reading an ERD
Table Relationships: 1-1, 1-many, many-to-many
What to look for when Testing Relational Databases

DATA NORMALIZATION BUGS

What bugs are caused by improperly normalized databases
Understanding Normalization: First, 2nd and 3rd Normal Form
Understanding Denormalization
Identifying poor design; developing Test cases

INTRODUCTION TO SQL

Why should Test professionals know Structured Query Language?
SQL essentials
Basic SQL statements for Testing

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