

Extracting Database Information: Business Coding Playbook

GETTING ORIENTATED WITH A HIGH-LEVEL OVERVIEW



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Customer	
Customer_ID	
Name	
Surname	
Address	
Age	
Postal Code	
Email	
Gender	
Event_ID	
Invoice_ID	
Order_ID	

Invoice	
Invoice_ID	
Price	
Tax	
Date	
Due Date	
Total	

Product	
Product_ID	
Material_ID	
Type	
Availability	
Stock	
Subcontractor_ID	

Order	
Order_ID	
Order_Type	
Product_Type	
Product_Location	
Product_ID	

Material	
Material_ID	
Material_Type	
Availability	
Stock	
Subcontractor_ID	

Subcontractor	
Subcontractor_ID	
Name	
Address	
Postal Code	
Email	

Event	
Event_ID	
Location	

Definitions



Database

An organized collection of data from a simple text file to a sophisticated set of files managed by enterprise database software.



Relational Database

One type of database that is organized into tables of related data with additional elements such as views, queries, and reports.



Relational Database Normalization

An objective of relational database design to promote data integrity and reduce data redundancy by organizing data into separate tables or columns.



Database-management System (DBMS)

The software that reads, writes, and maintains database files. Typical examples include Microsoft SQL Server, SQLite, MongoDB, and IBM DB2.



Connection String

The text-based configuration for specifying which database server and database to connect to, which driver to use, and who is attempting to access the resource.

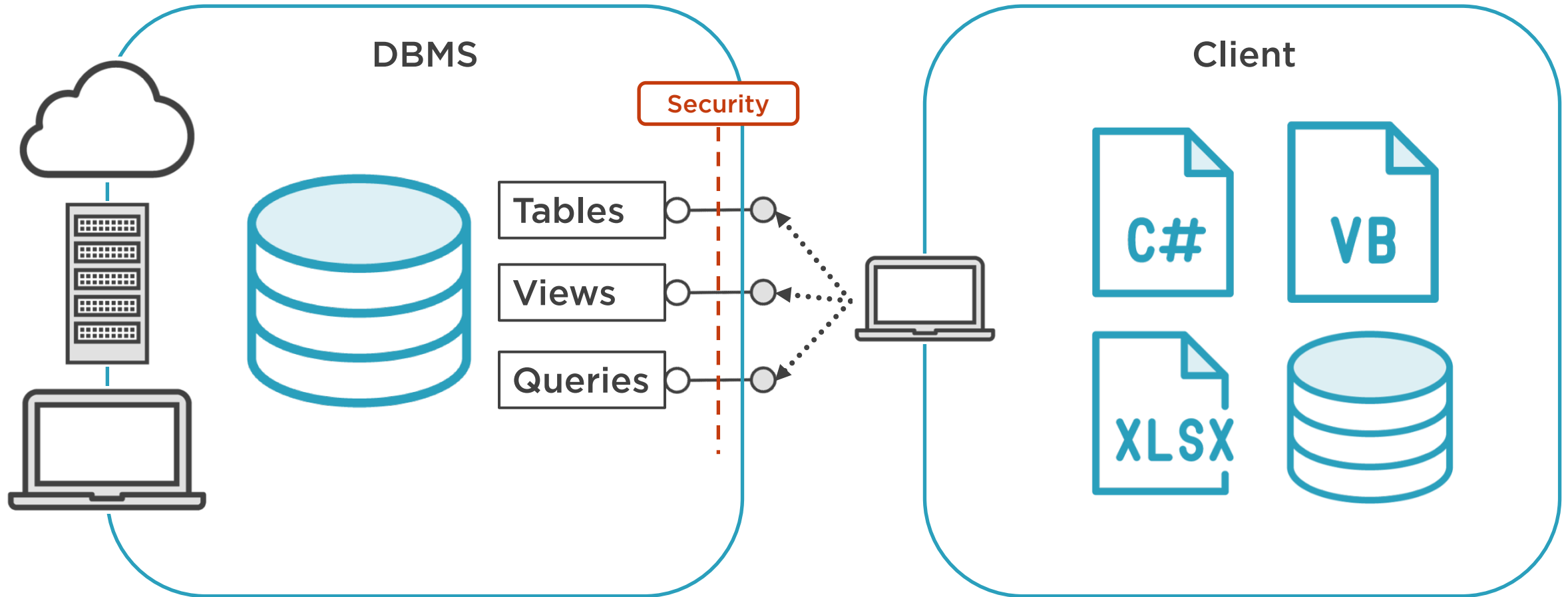
`Server=myServer\myInstance; Database=myDb; User Id=myUser; Password=myPass`



Big Picture



Extracting Database Information



Demo



SQL Server Management Studio

Visual Studio



Summary



Definitions for common database terms

Overview of connecting to databases

Introduction to the tools used in this course