Client Server Development: Visual Basic

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Client Server

Fact?

Fiction?

“Doing a Ditty”; A Useful Metaphor

How is Client/Server Like Teenage Sex?

- It’s on everyone’s mind all the time.
- Everyone thinks everyone else is doing it.
- Almost no one is really doing it.
- The few who are doing it are
  - Doing it poorly;
  - sure it will be better next time;
  - not practicing it safely.
- Everyone is bragging about their successes even though few have actually been successful.

Getting Started

Plan
Design
Start Small
Document Expectations
Test & Review

Before You Code

Decision Factors

Before You Code

Decision Factors

- Application

Before You Code

Decision Factors

- Application
- Database Choice

Before You Code

Decision Factors

- Application
- Database Choice
- Database Access Choice

Before You Code

Decision Factors

- Application
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VB “Gotchas”

Connecting to the Server

VB “Gotchas”

Connecting to the Server
Network Resources

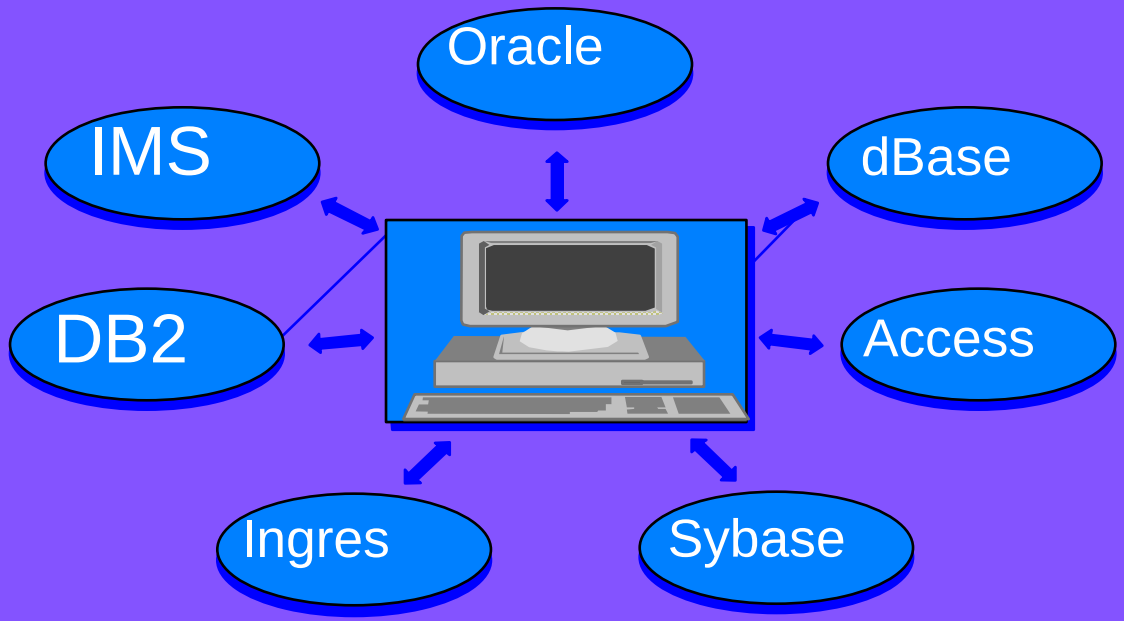
VB “Gotchas”

Connecting to the Server
Network Resources
Transaction Processing

Database Choice

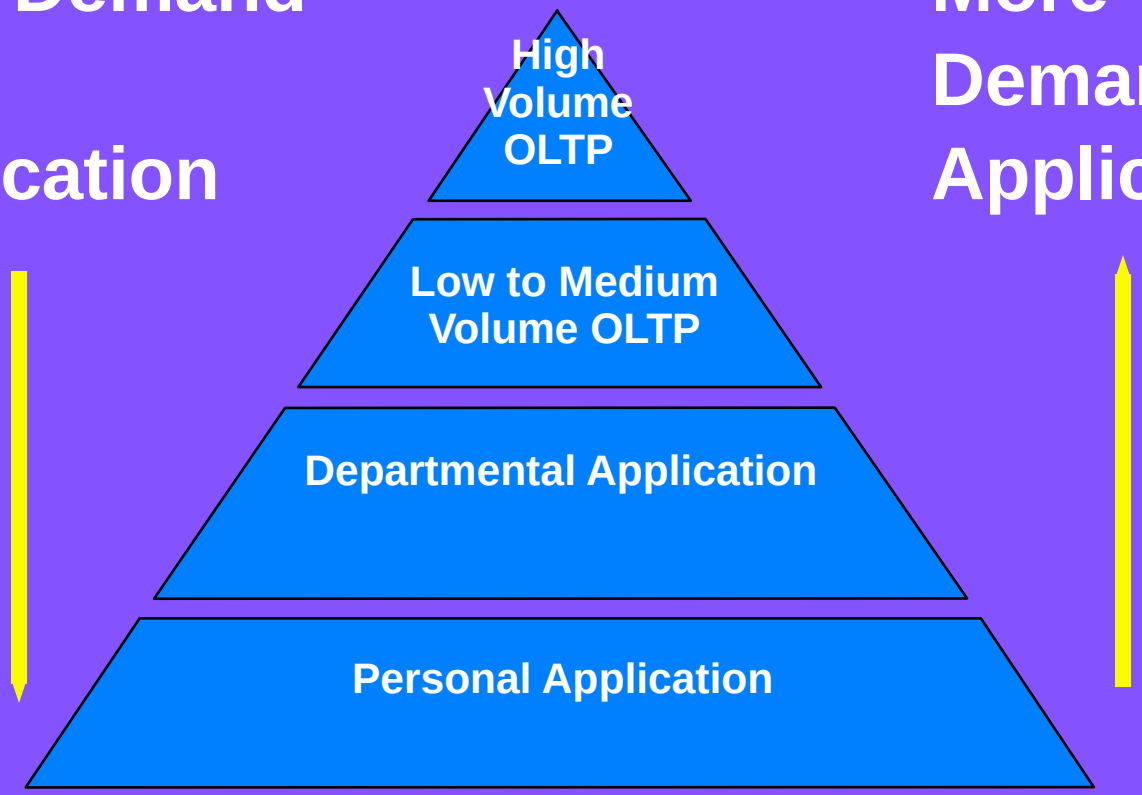
How many DBMS does your organization have

What type are they?



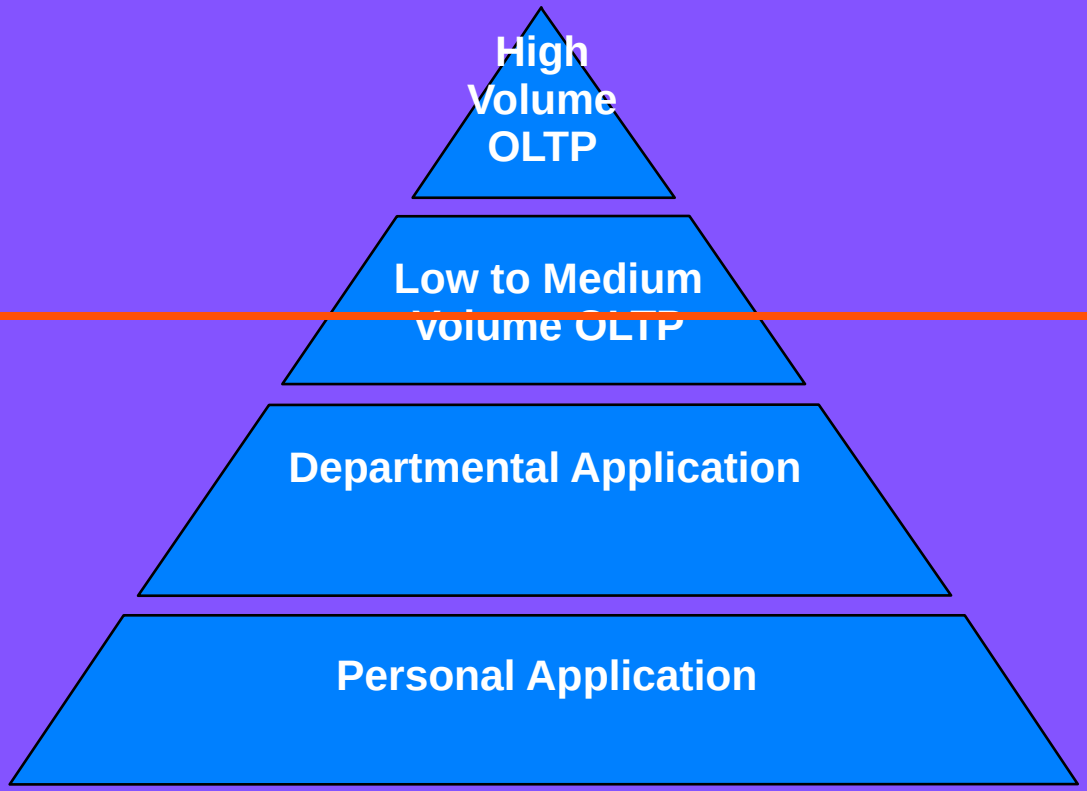
Application

More Demand for Application



More Demanding Application

Application



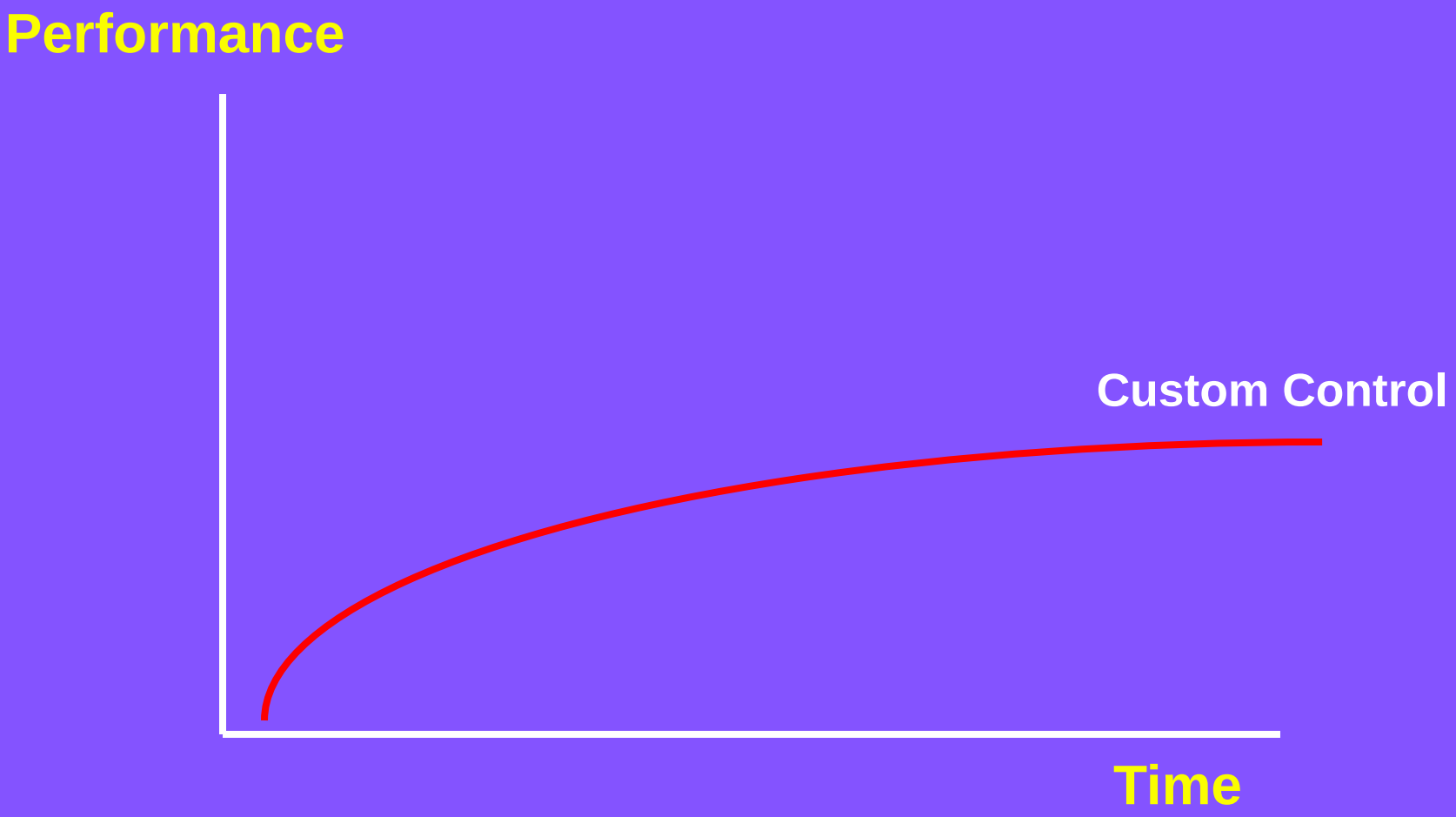
Database Access Choices

Custom Controls

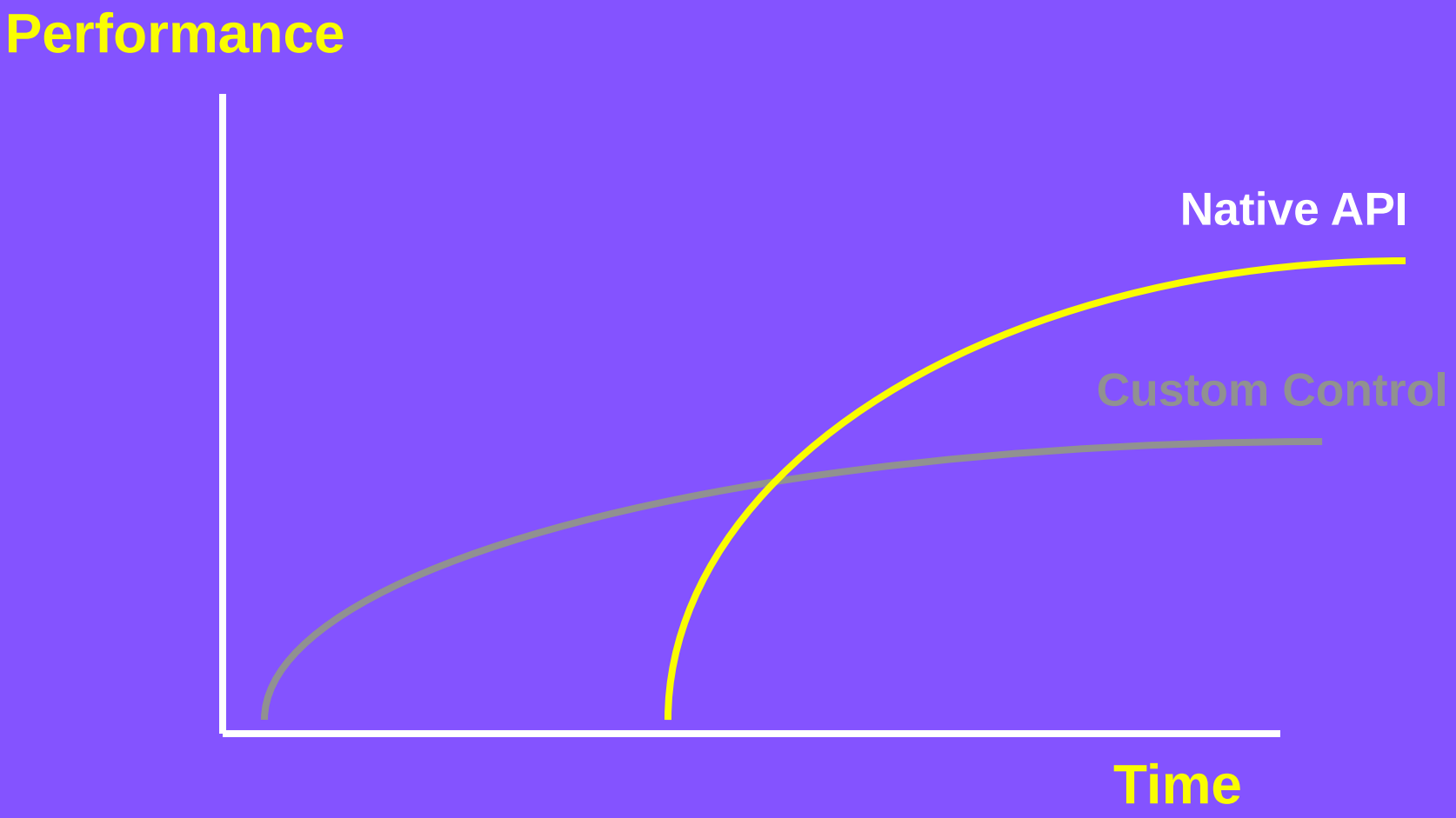
Coding

Coding to Native APIs

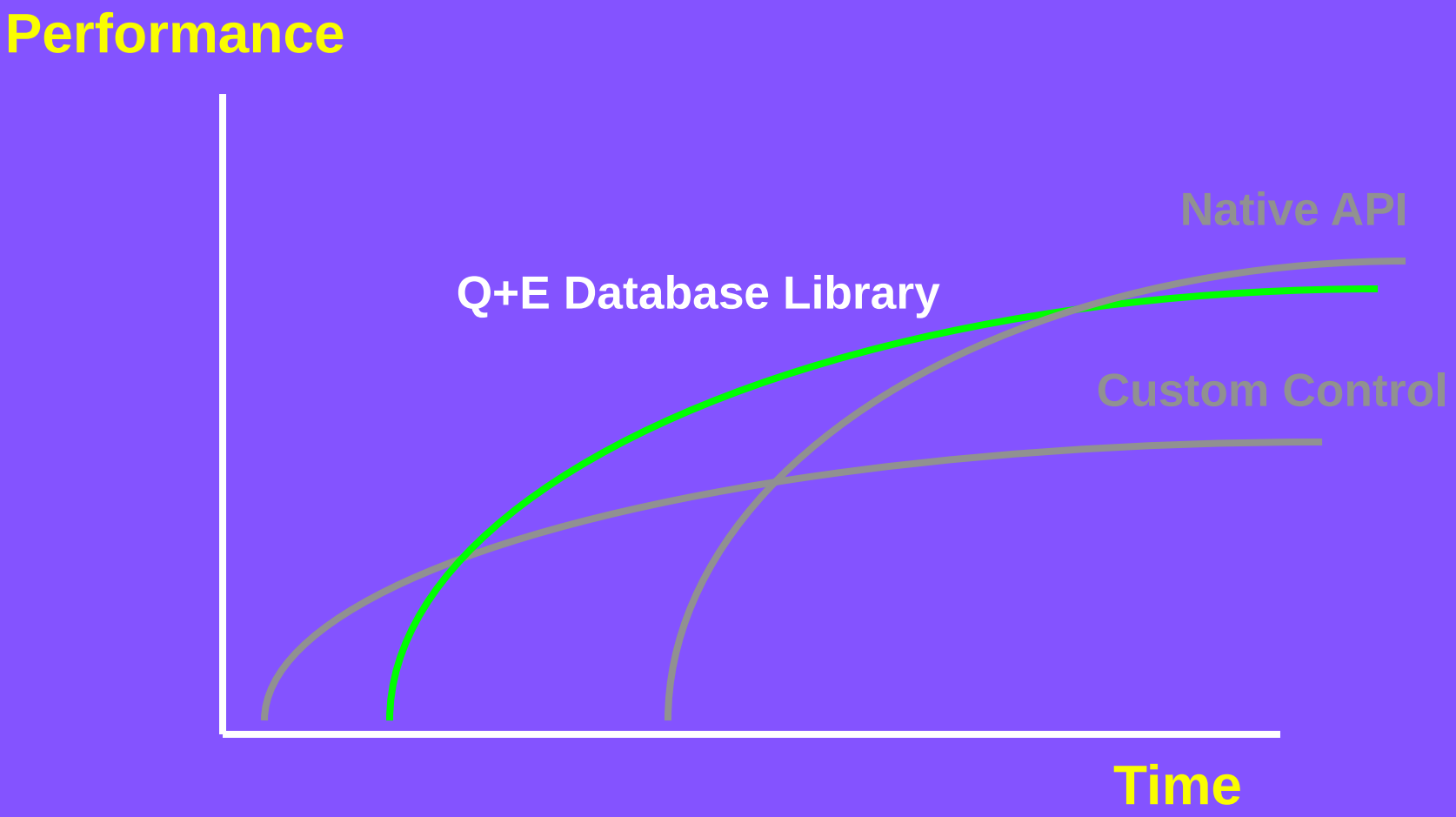
Development Efficiency



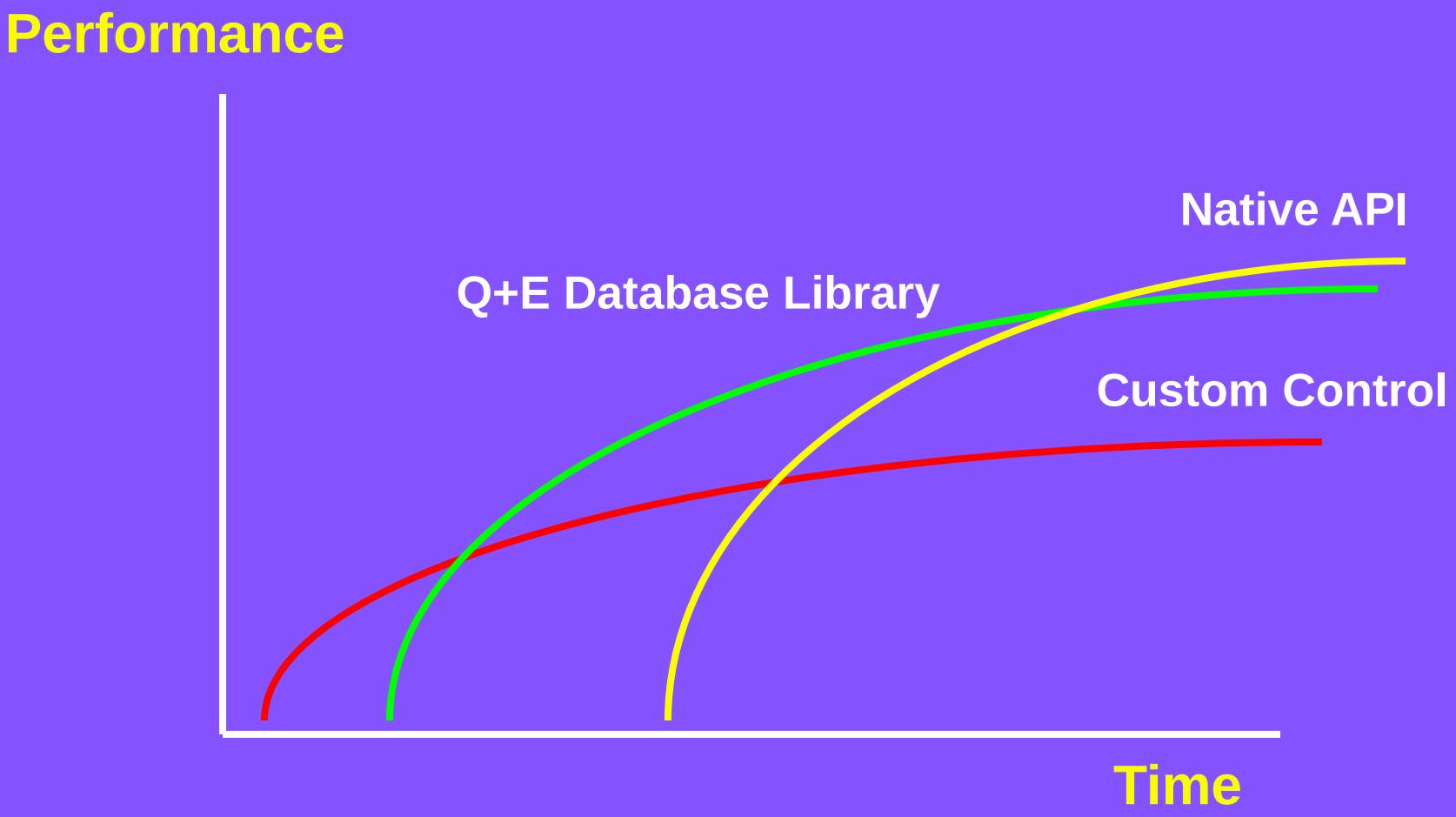
Development Efficiency



Development Efficiency



Development Efficiency



Connecting to Server

On Average - Corporate America has 4 different DBMS.

Mixture of Heterogenous Data

Rapid Application Development

Choose your ODBC Driver carefully

Managing Network Resources

Network Connection Defined

Minimize Network Traffic

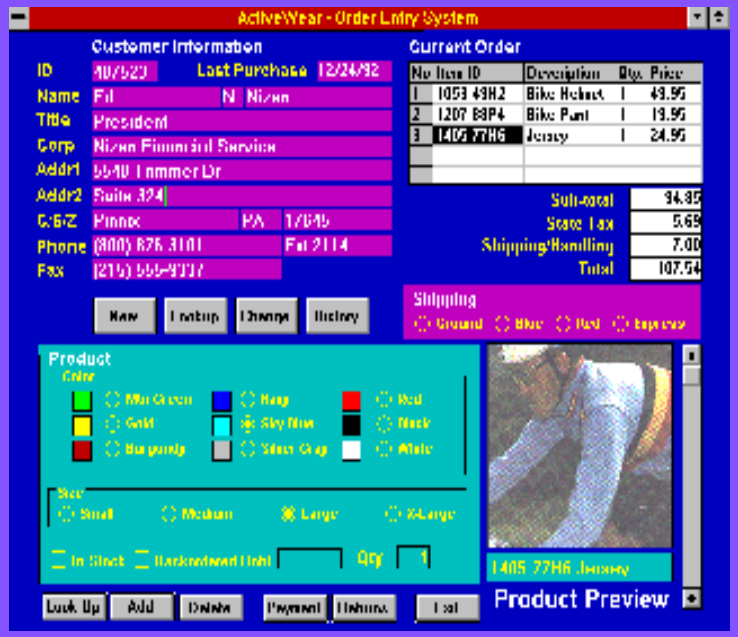
Transaction Processing

Transaction Processing Defined

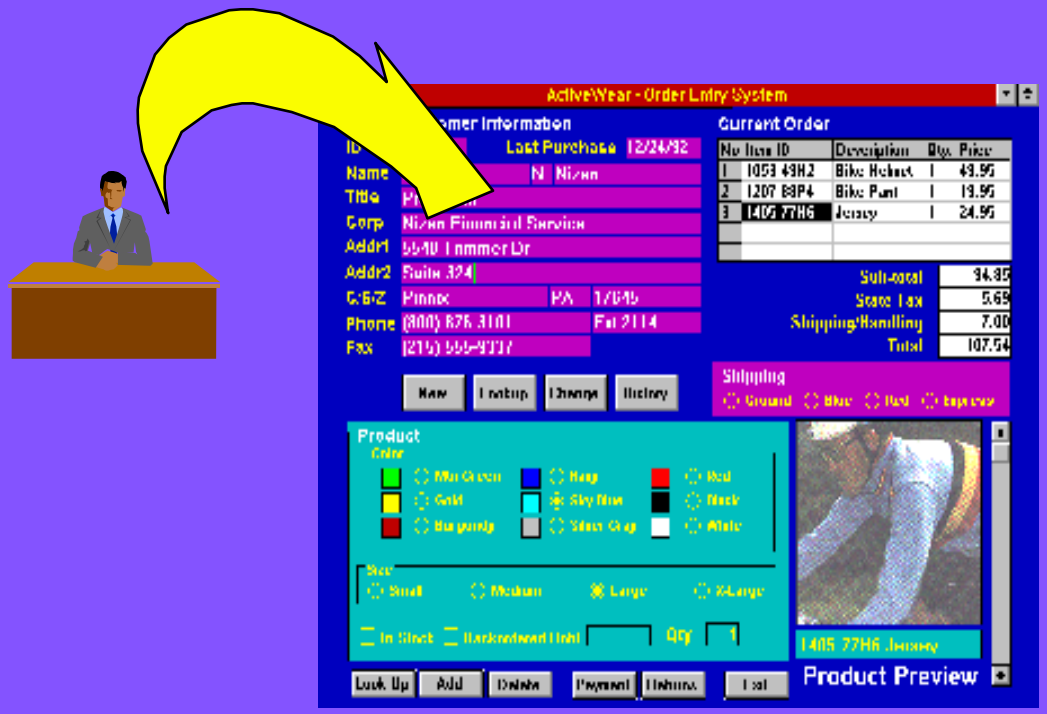
Why is Transaction Processing

important

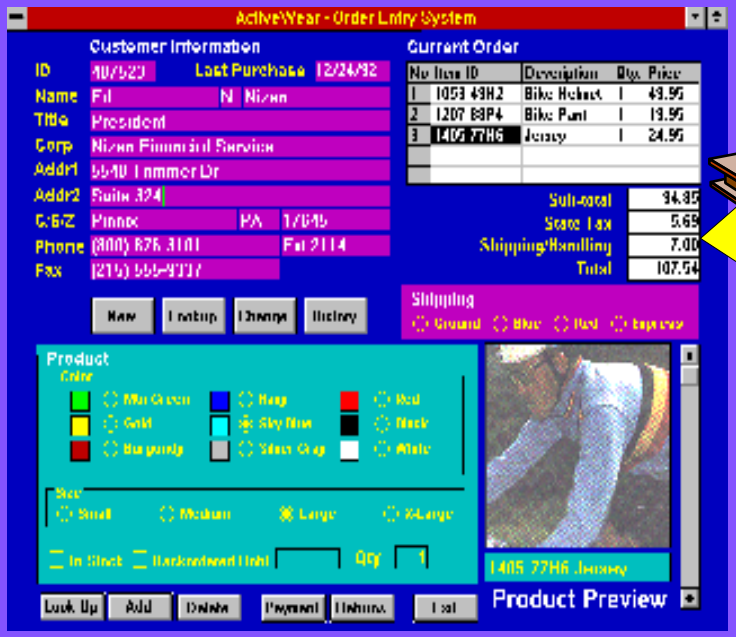
Transaction Processing

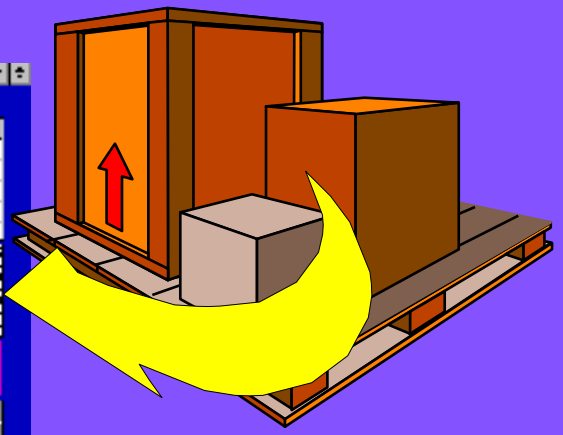


Transaction Processing



Transaction Processing





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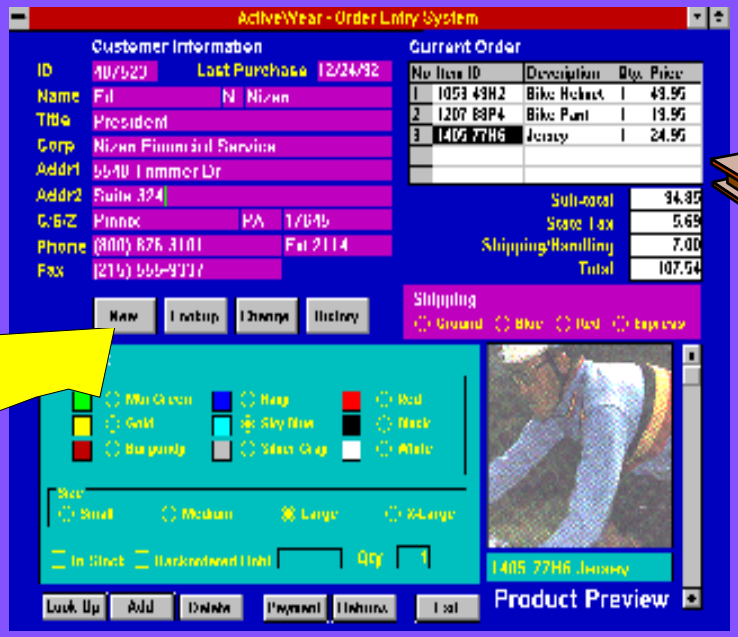

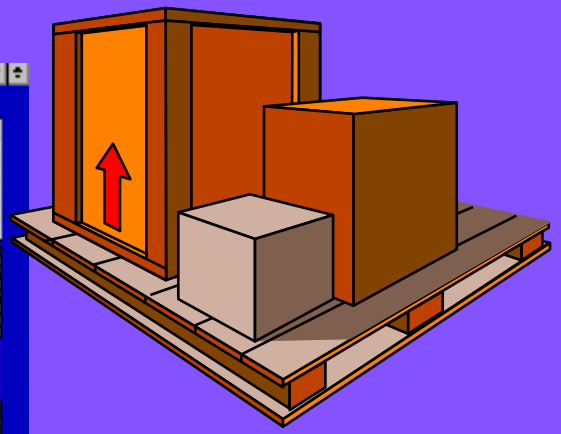

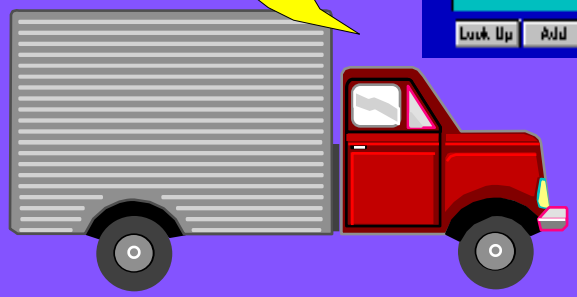

Summary

Set Reasonable Expectations.

Test against Expectations.

VB & Third Party Tools can do it!