CS548 Enterprise Software Architecture & Design

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THIS COURSE

Graduate Certificate in Enterprise and Cloud Computing

- CS522 Mobile Systems and Apps
- CS526 Enterprise and Cloud Computing
- CS548 Enterprise Software Architecture
- CS549 Distributed Systems and Cloud Computing
- CS594 Enterprise and Cloud Security

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ECC Program Outcomes

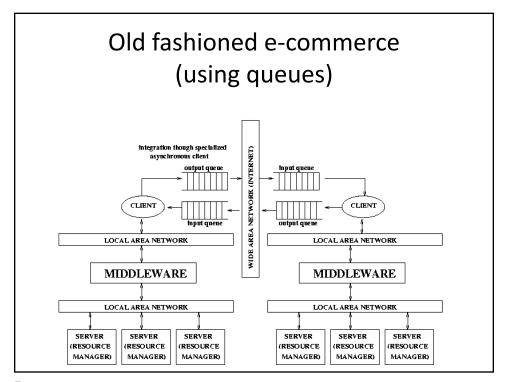
	CS522	CS526	CS548	CS549	CS594
Infrastructure		X Virtualization		X Availability	
Data Modeling			Χ		
Design			Χ		
Applications	Χ	Χ	Χ	Χ	Х
Security & Privacy		X Secure Virt			Х

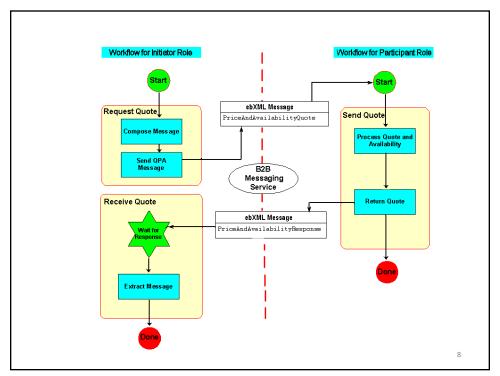
4

Introduction to Enterprise Software Systems

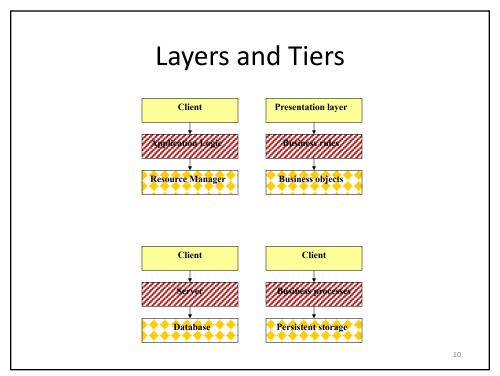
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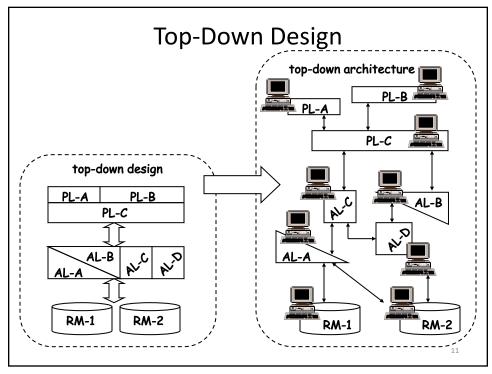
INTRODUCTION

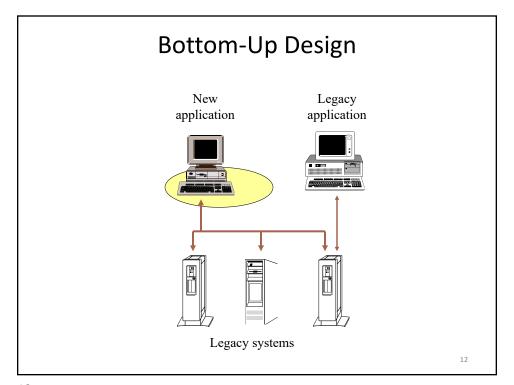


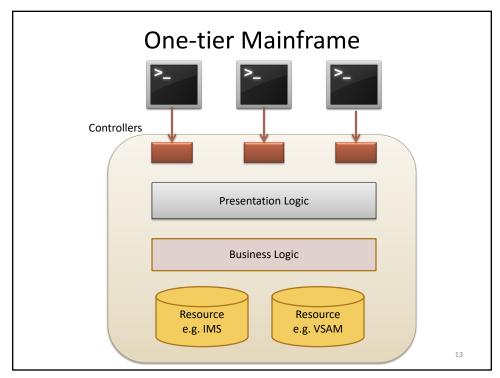


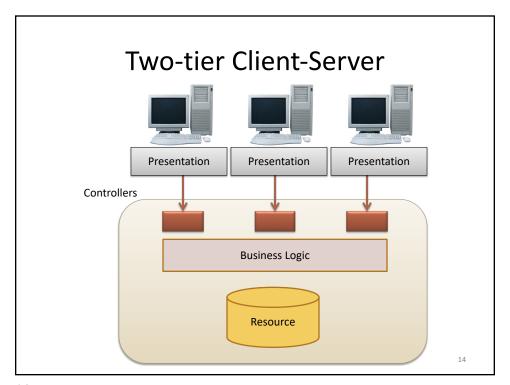


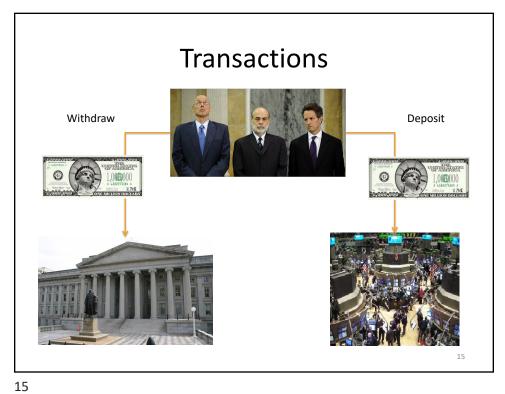


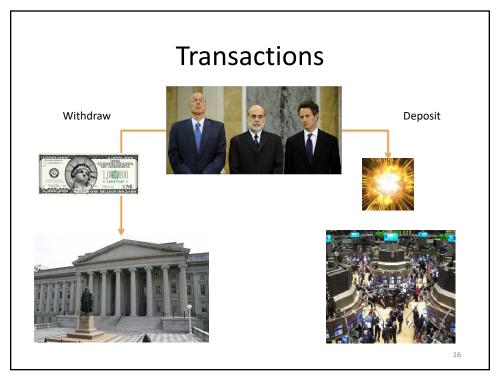


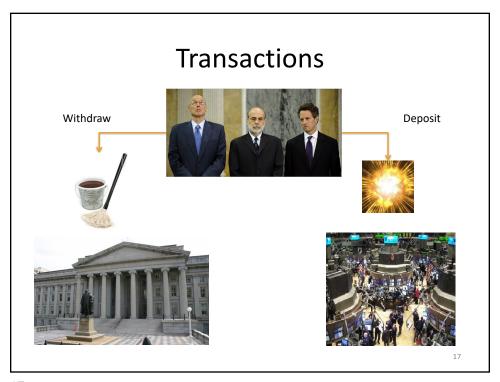










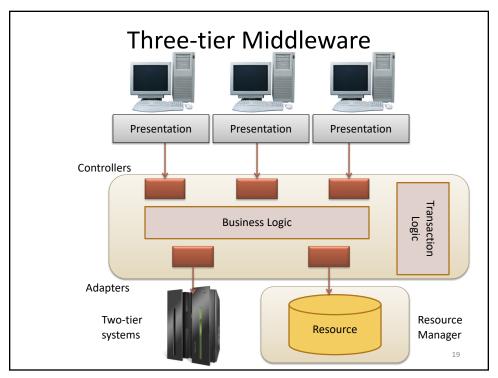


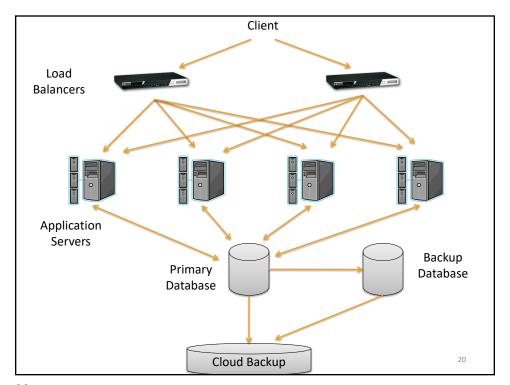
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Transactional RPC

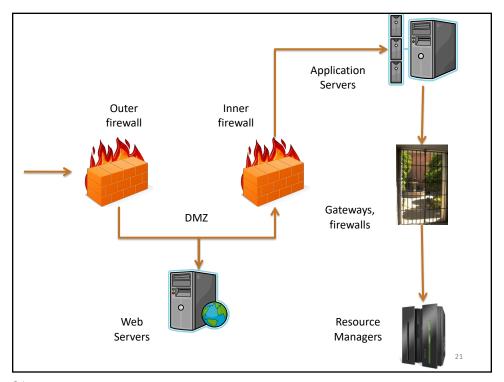
amazon.com*

Begin Transaction

AmtOwed = Amazon.Read (CustID);
Balance = Paypal.Read (AccountID);
if (AmtOwed ≤ Balance) {
    Paypal.Withdraw (AccountID, AmtOwed);
    Amazon.Deposit (CustID, AmtOwed);
} else {
    Abort Transaction;
}
End Transaction
```







COMMUNICATION

