

HY 351: Ανάλυση και Σχεδίαση Πληροφοριακών Συστημάτων CS 351: Information Systems Analysis and Design

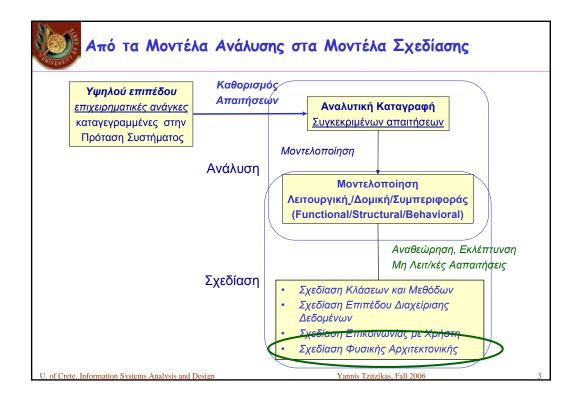
HY351:

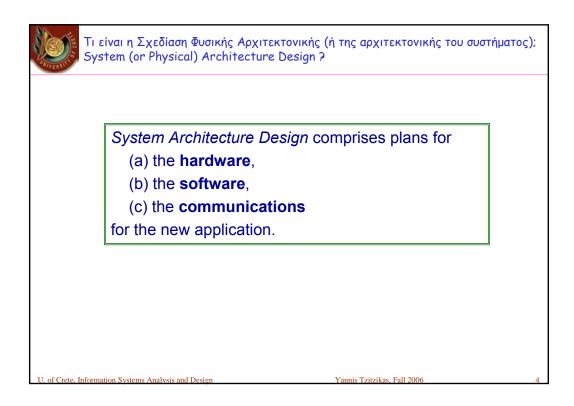
Ανάλυση και Σχεδίαση Πληροφοριακών Συστημάτων Information Systems Analysis and Design

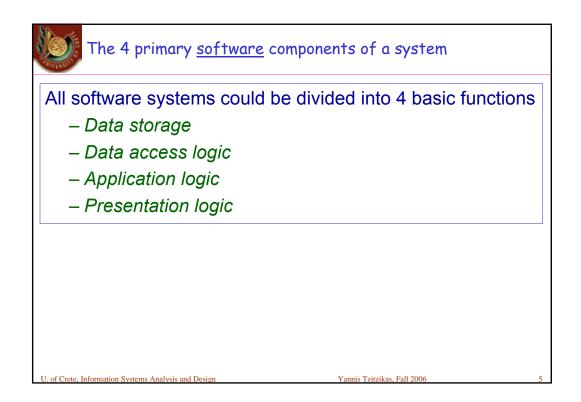


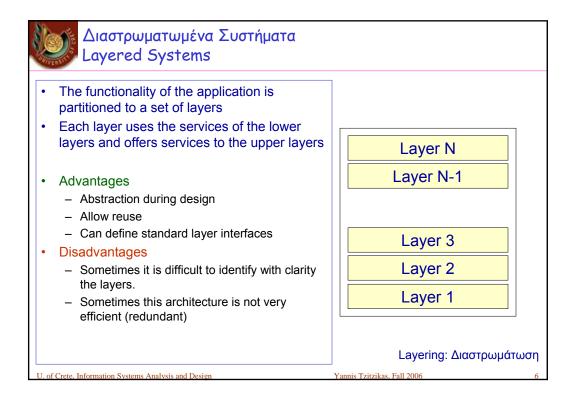


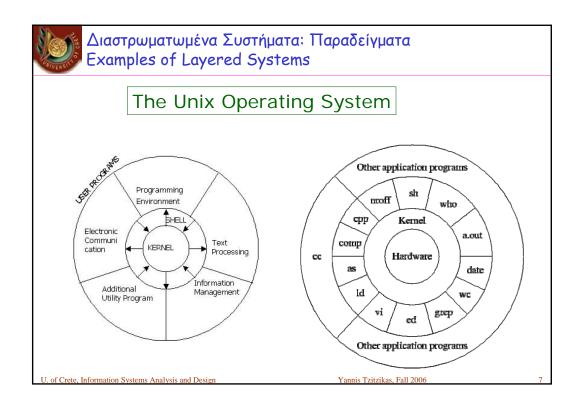
]
 Τι είναι η Σχεδίαση Φυσικής Αρχιτεκτονικής 	
 Οι 4 βασικές λειτουργίες ενός Πληροφοριακού Συστήματος 	
 Διαστωματωμένες Αρχιτεκτονικές Λογισμικού 	
 Layered Software Architectures 	
 Αρχιτεκτονικές Λογισμικού 	
 Client-server, N-tier architectures, Virtual machine 	
 Service-oriented computing, P2P 	
 Πρωτόκολλα Επικοινωνίας 	
 Το σχεδιαστικό μοτίβο MVC 	
2º Μέρος (Επόμενο μάθημα):	
 Σχετικά Διαγράμματα της UML 	
 Component and Deployment Diagrams 	

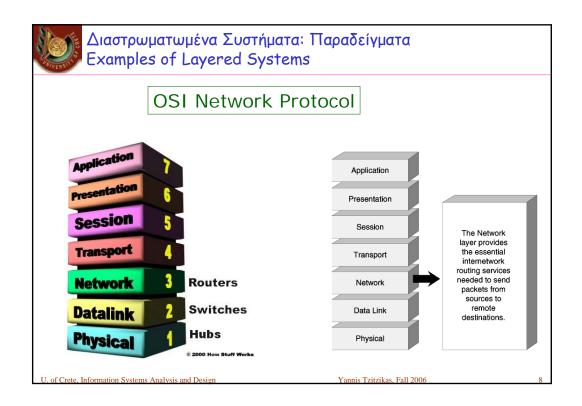


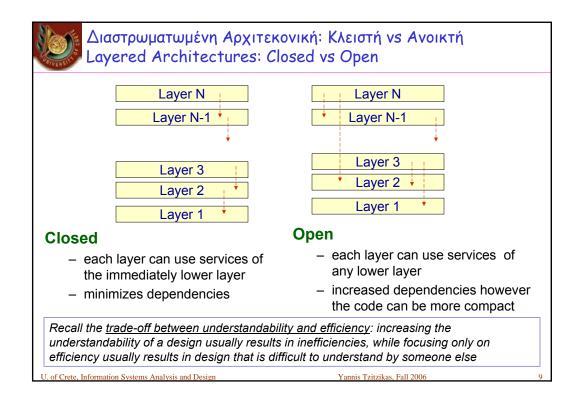


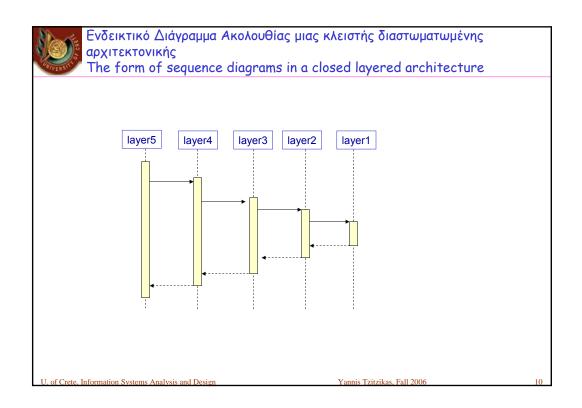


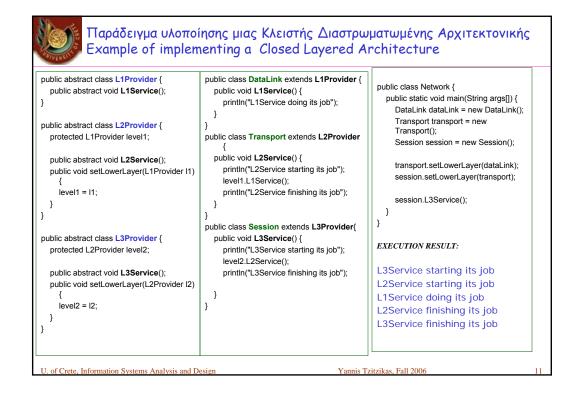


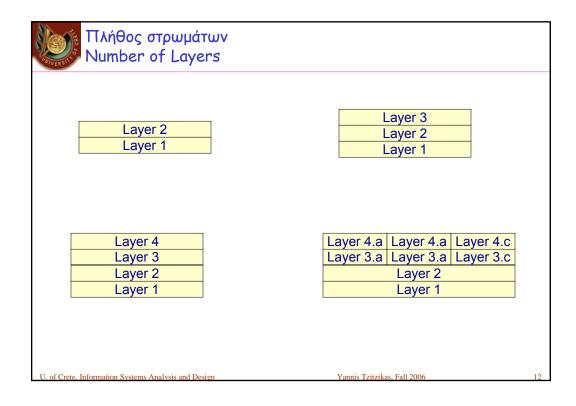


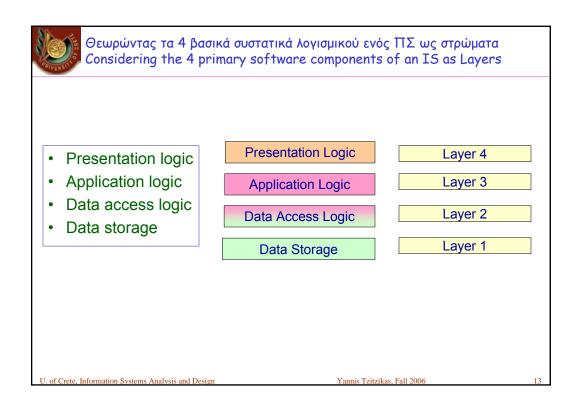


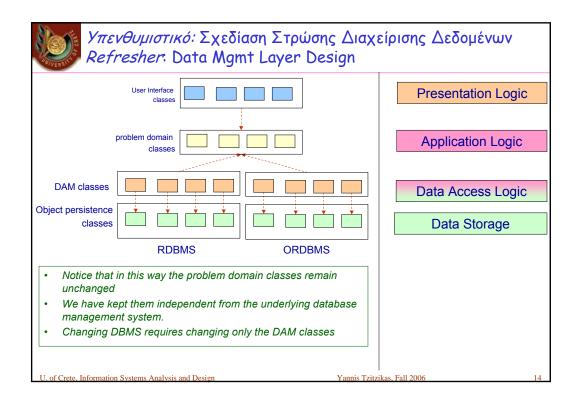


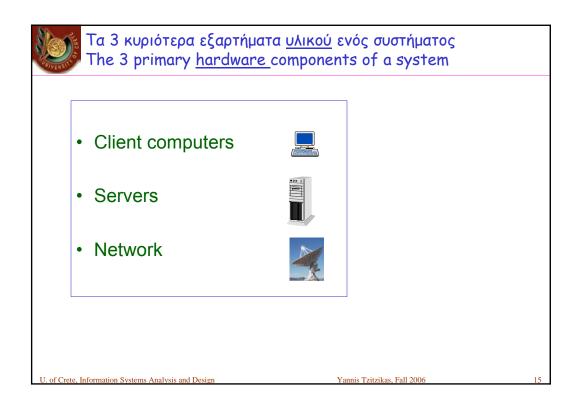


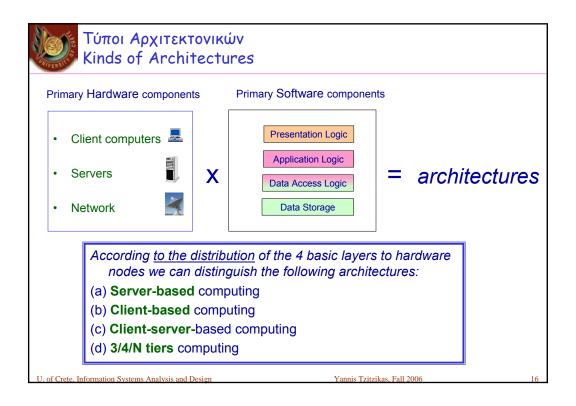


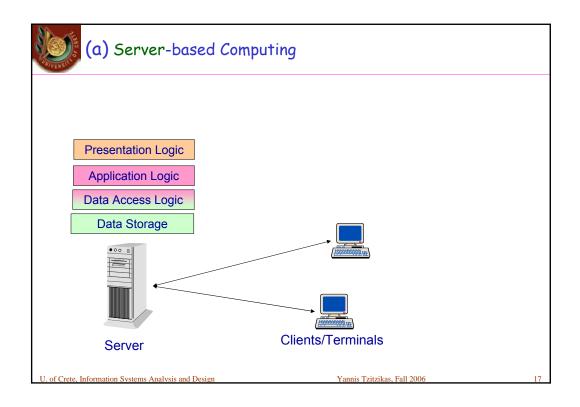


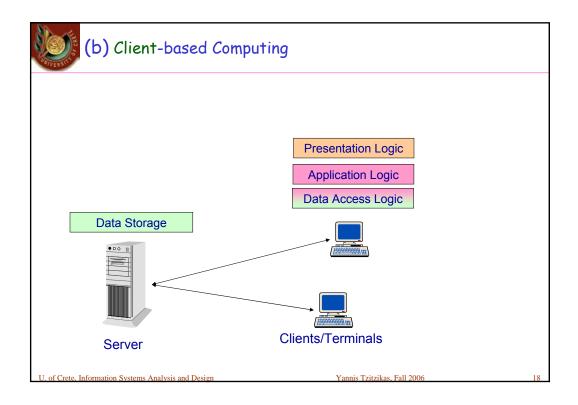


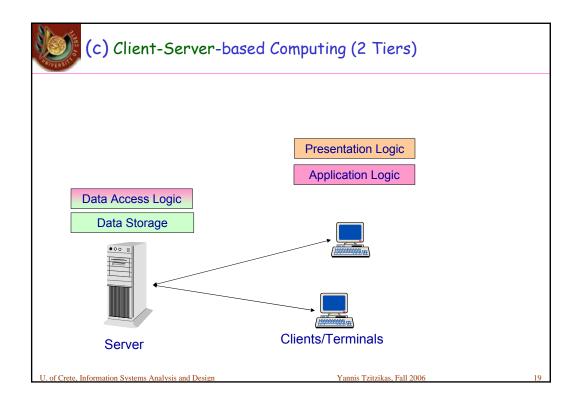


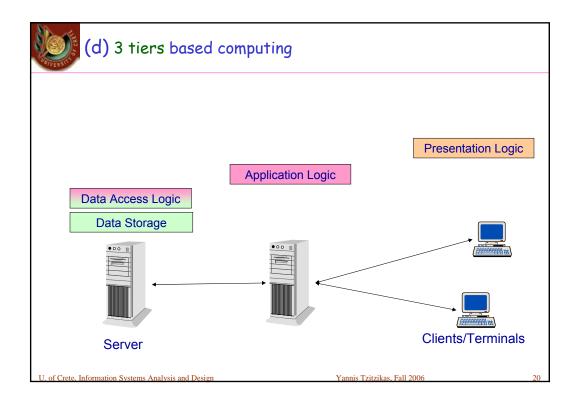


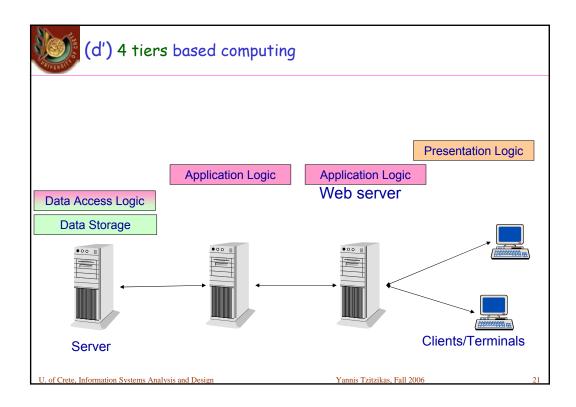


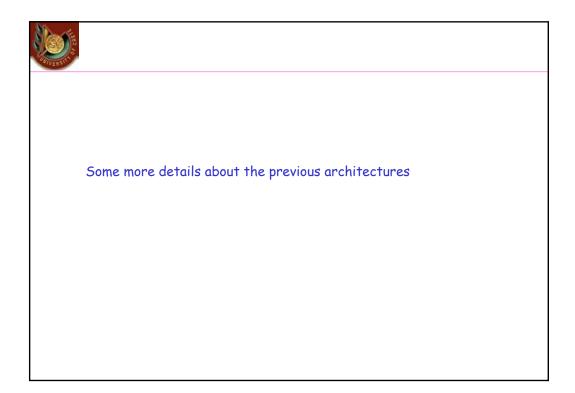


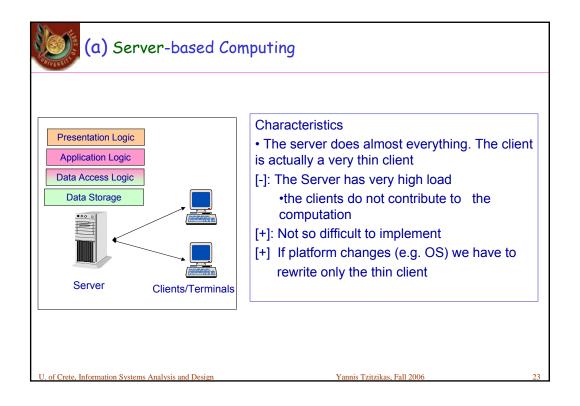


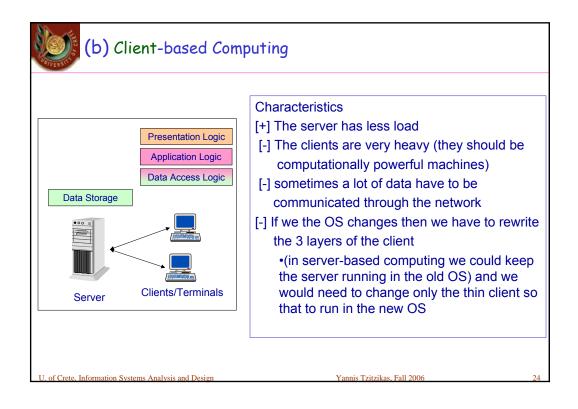


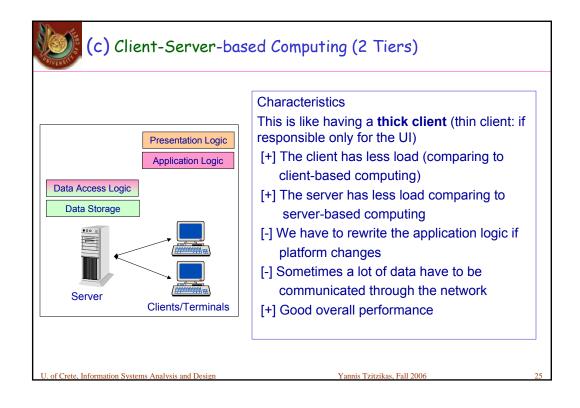


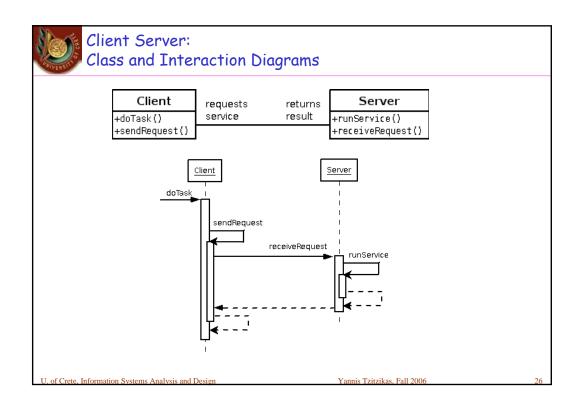


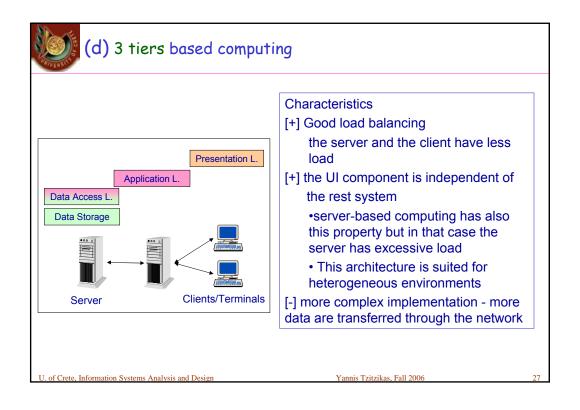


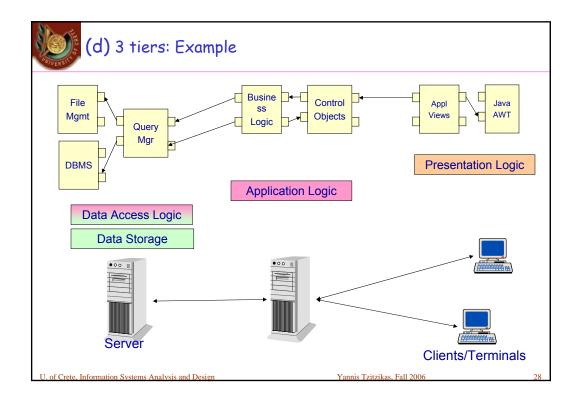


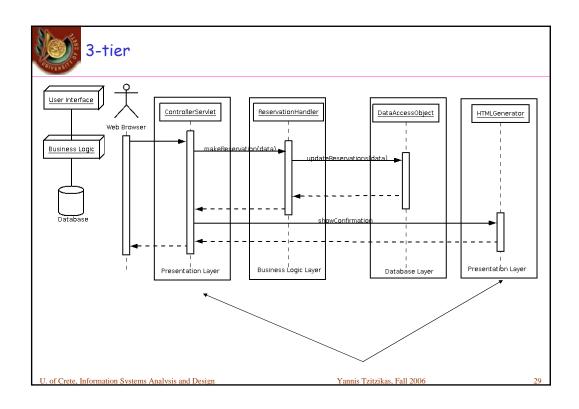


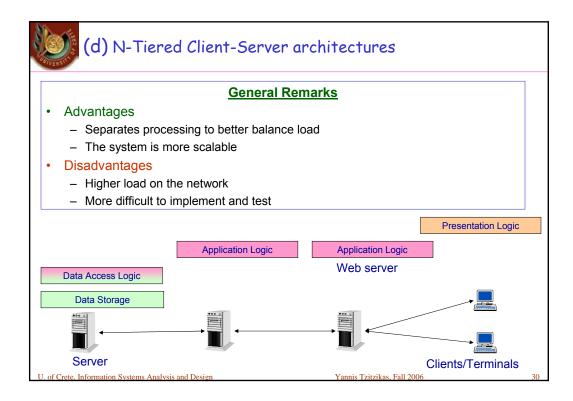






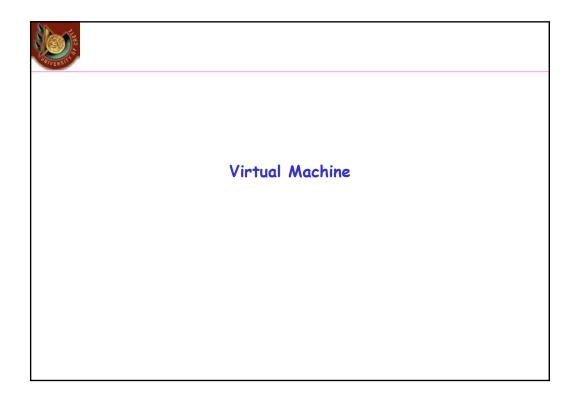


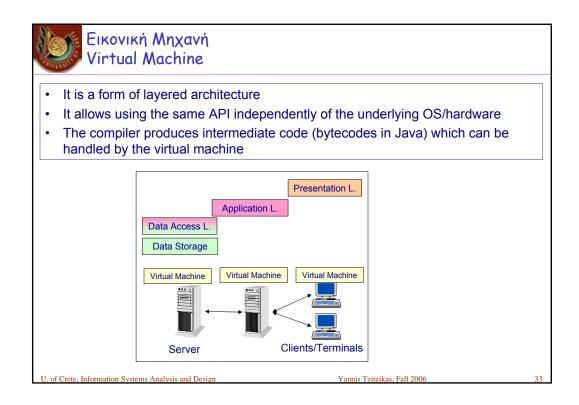


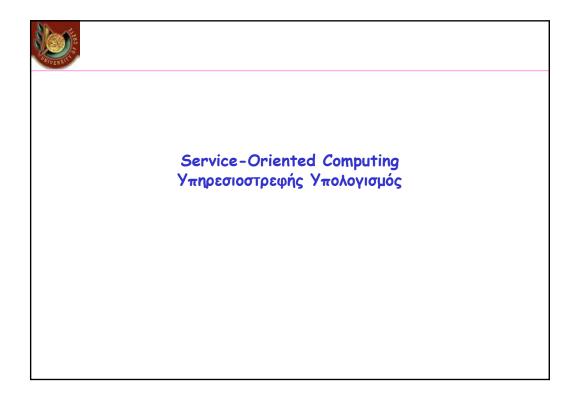


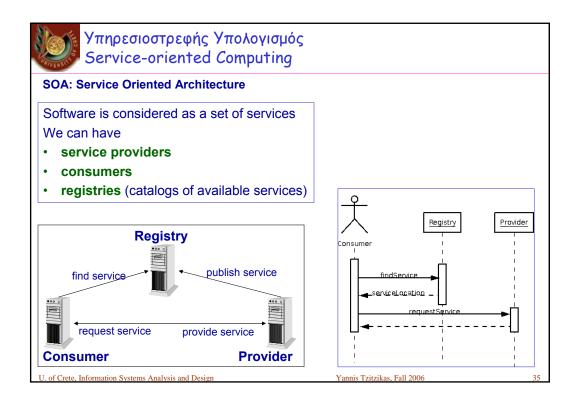
NIVE BS	Επιλέγοντας Αρχι Selecting a Comp		
		Server-Based	Client-b
	Cost of infrastructure	Very high	Medium
	Cost of development	Medium	Low

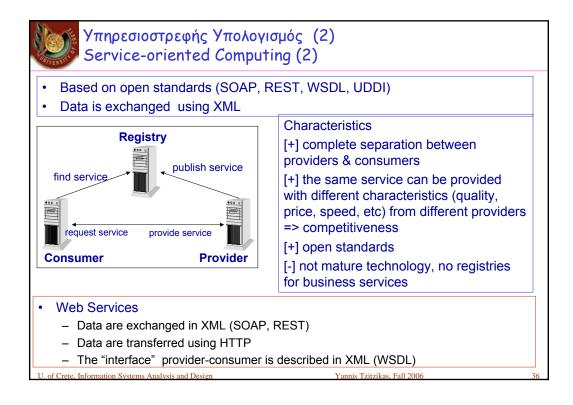
	Server-Based	Client-based	Client-server
Cost of infrastructure	Very high	Medium	Low
Cost of development	Medium	Low	High
Ease of development	Low	High	Low-medium
Interface capabilities	Low	High	High
Control and security	High	Low	Medium
Scalability	Low	Medium	High

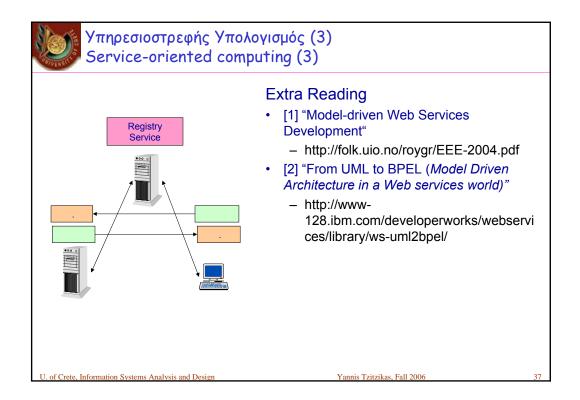


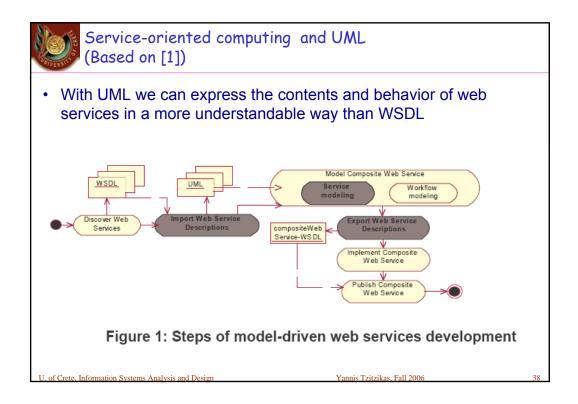


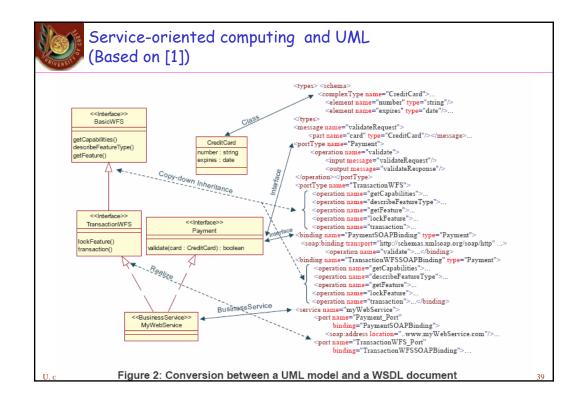


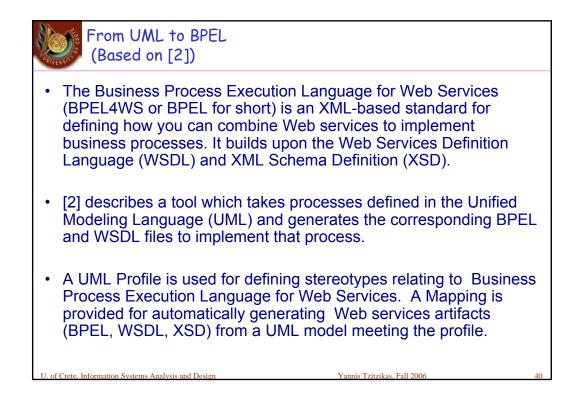


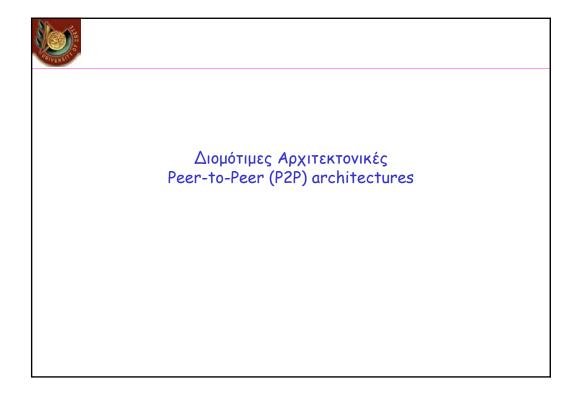


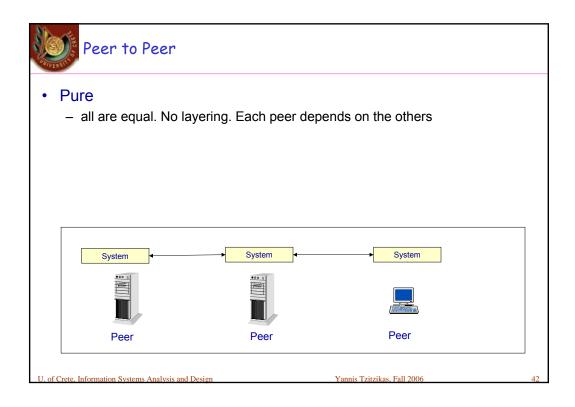


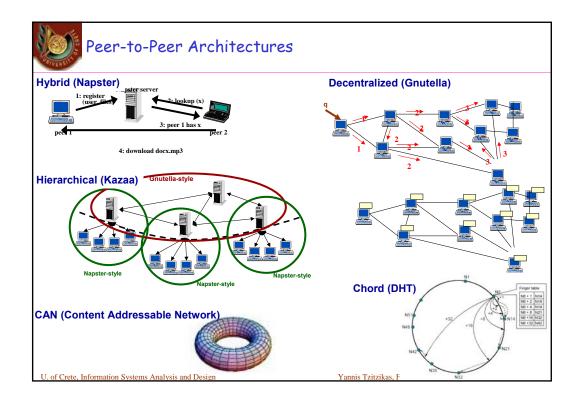


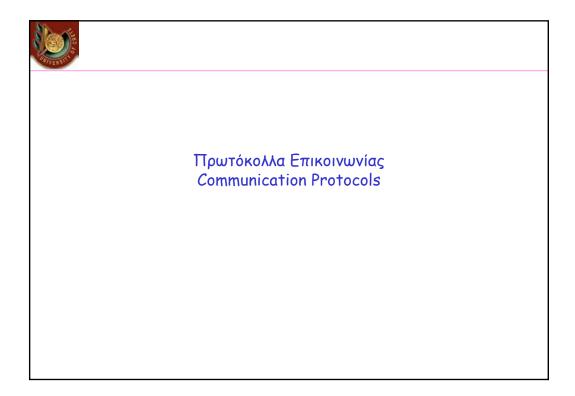


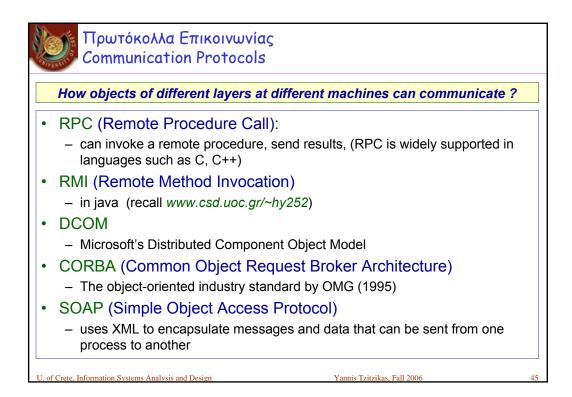


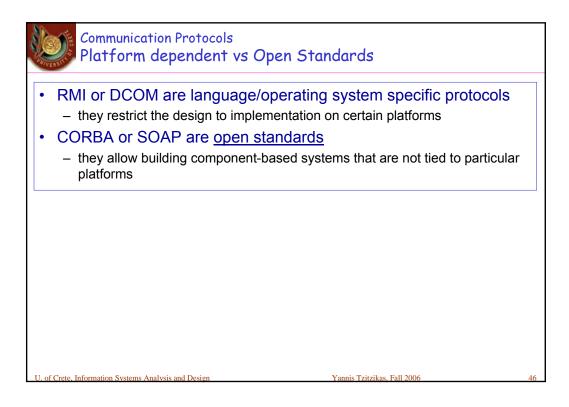


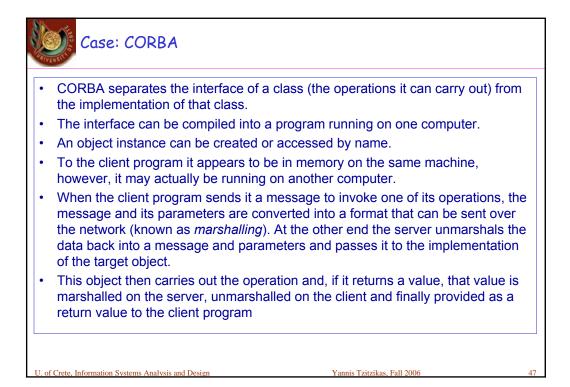


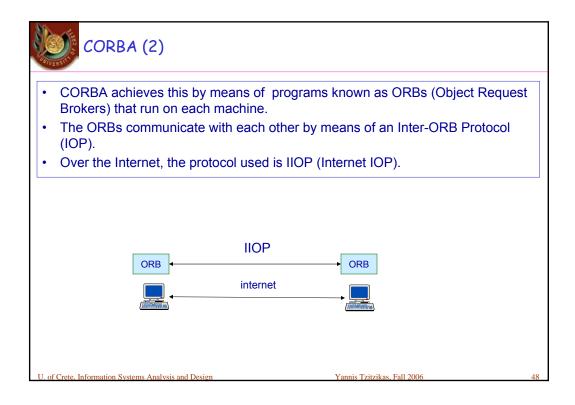


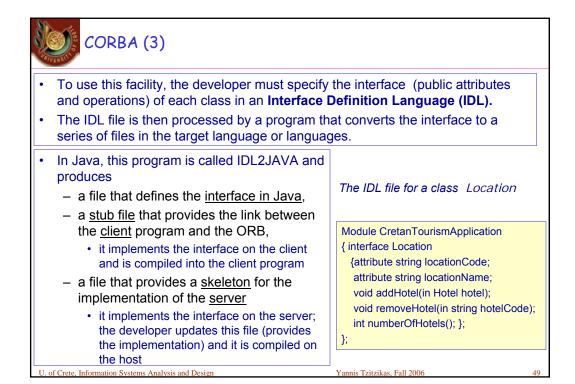


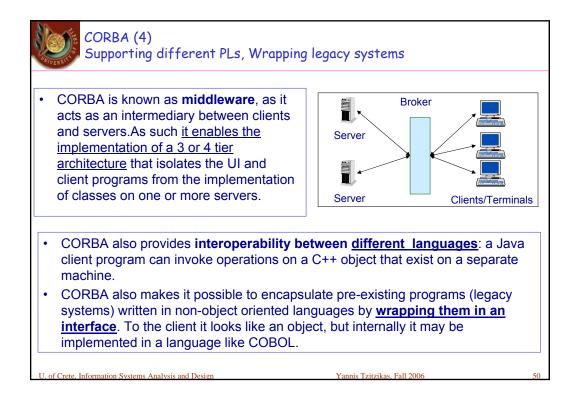


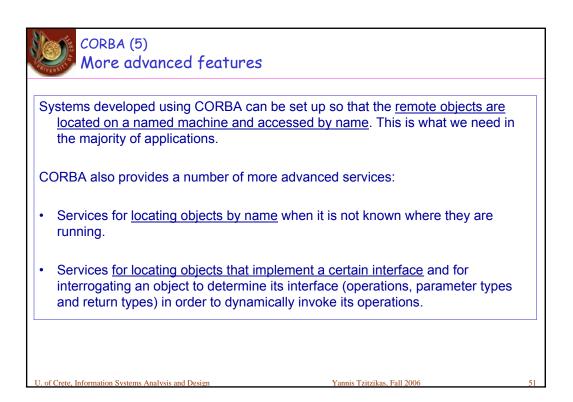


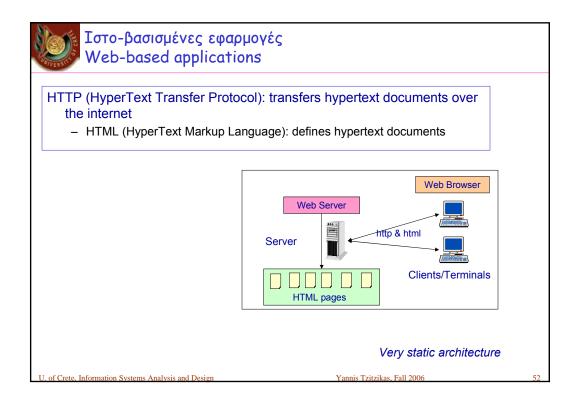


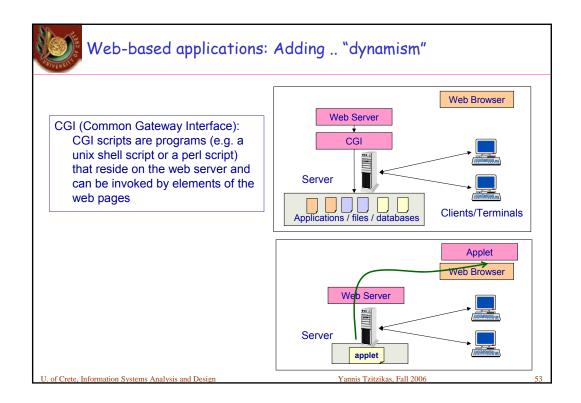


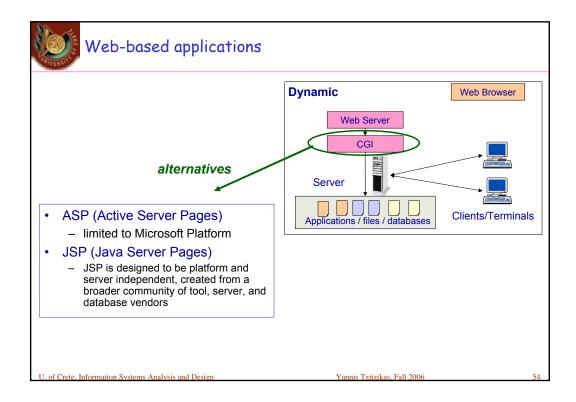


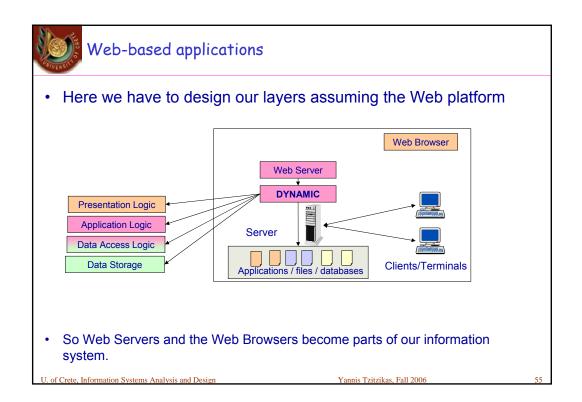


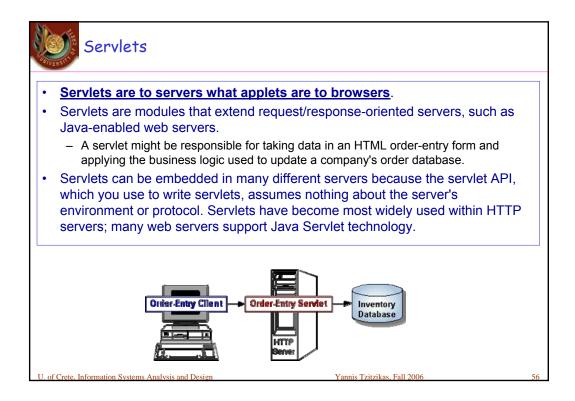


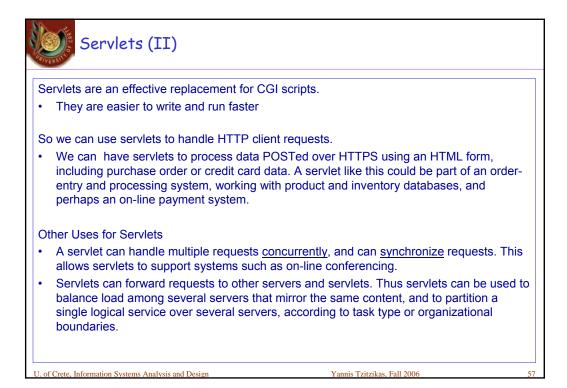




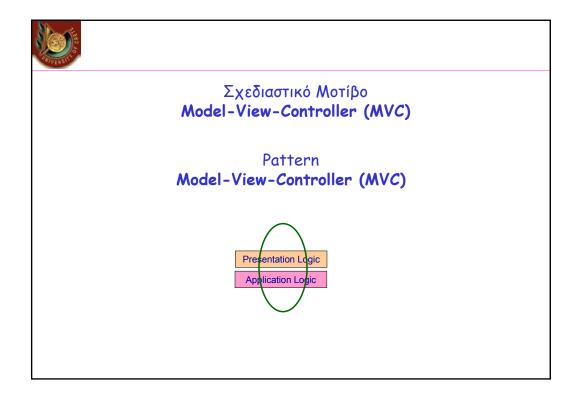


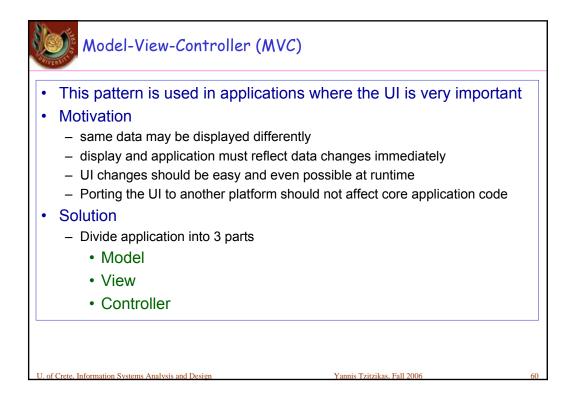


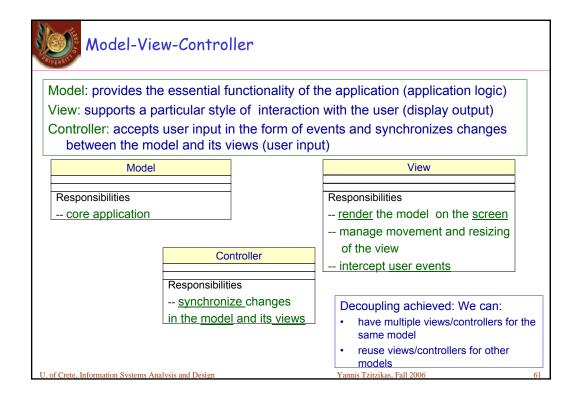


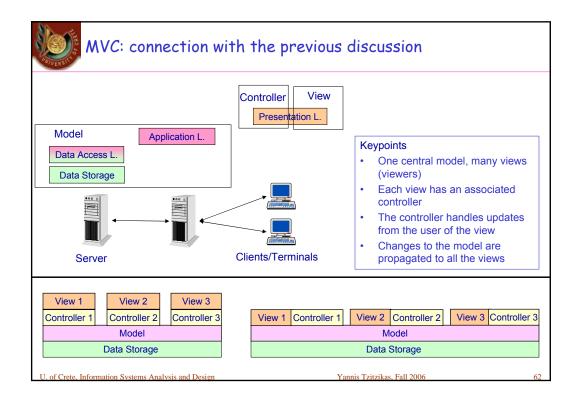


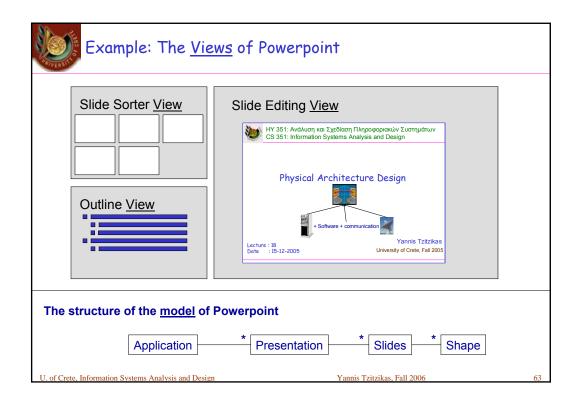
import java.io.*;
import java.servlet.*;
import javax.servlet.http.*;
······································
public class HelloWorld extends HttpServlet {
public void doGet(HttpServletRequest request, HttpServletResponse
response)
throws IOException, ServletException
{
response.setContentType("text/html");
PrintWriter out = response.getWriter();
out.println(" <html>");</html>
out.println(" <body>");</body>
out.println(" <head>");</head>
out.println(" <title>Hello World!</title> ");
out.println("");
out.println(" <body>");</body>
out.println(" <h1>Hello World!</h1> ");
out.println("");
out.println("");

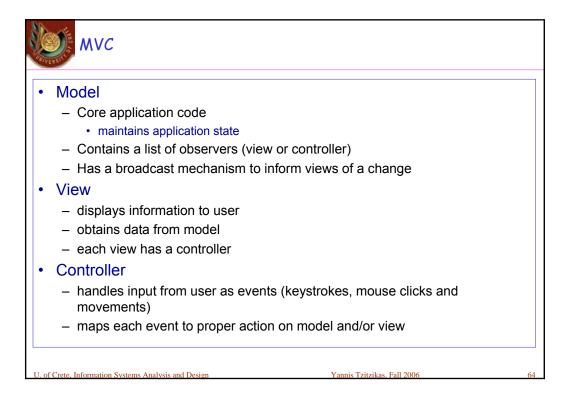


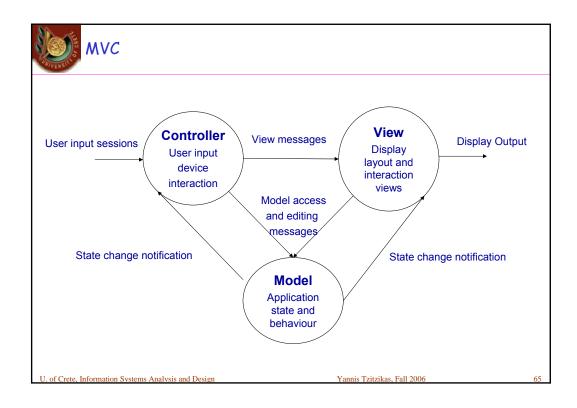


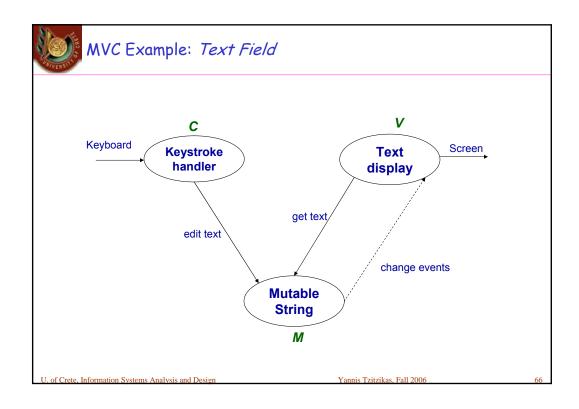


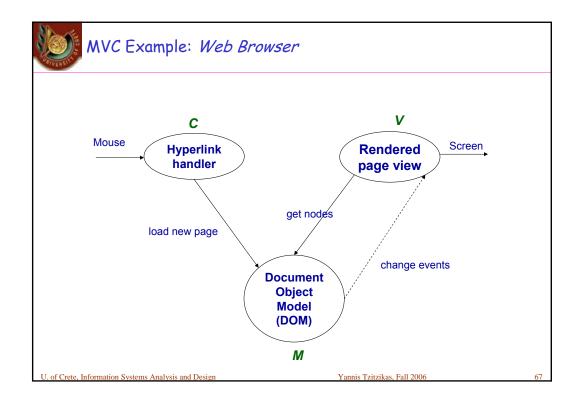


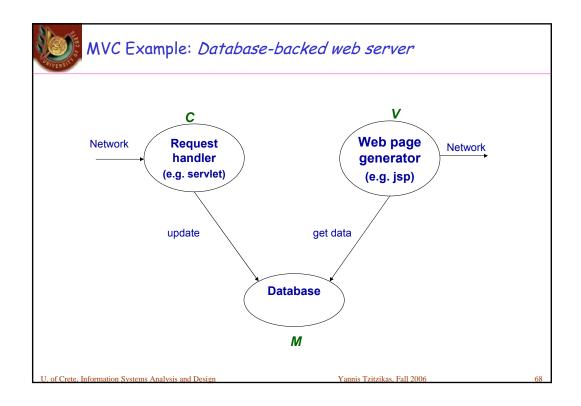


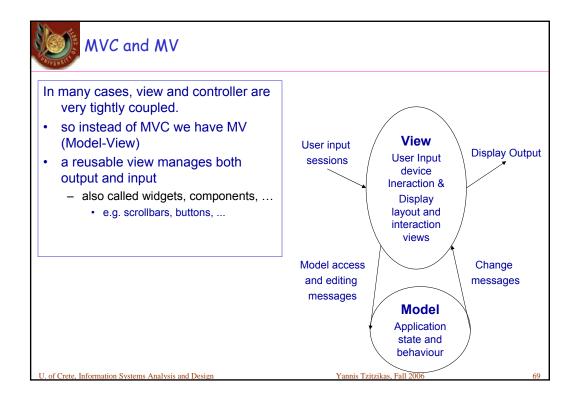


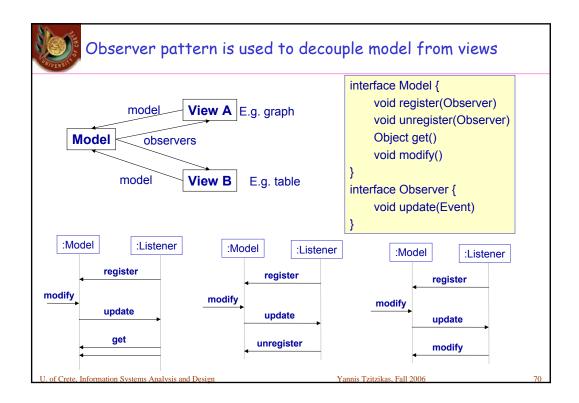


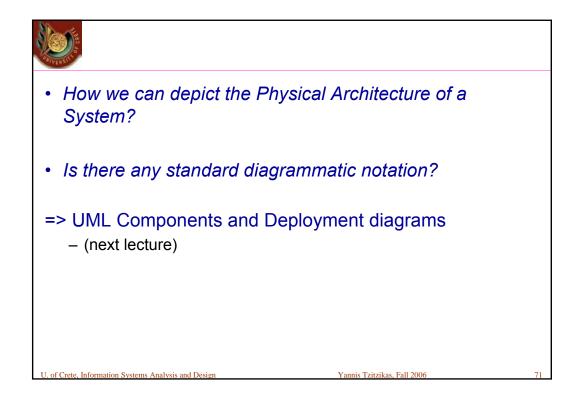


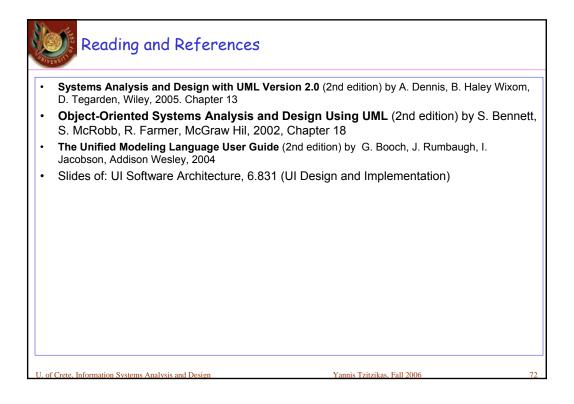


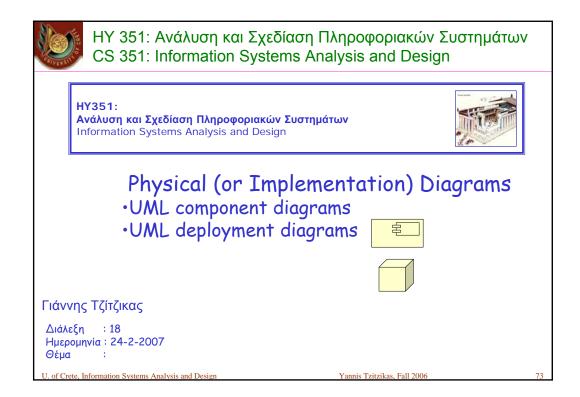


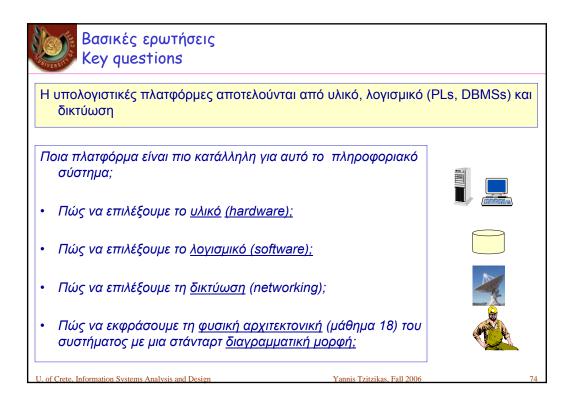


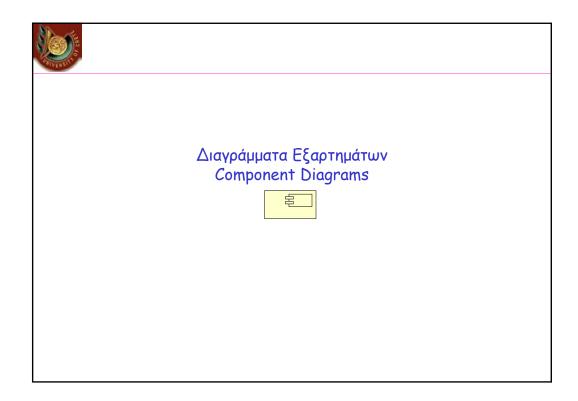


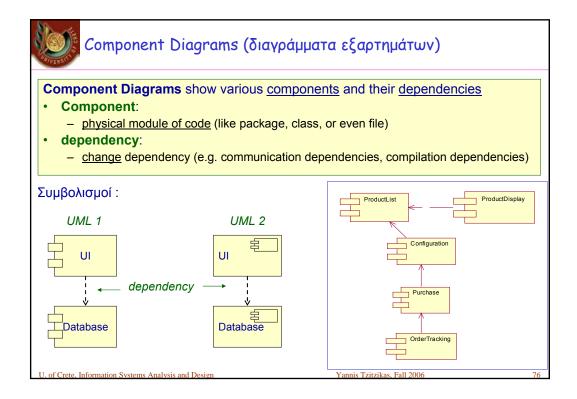


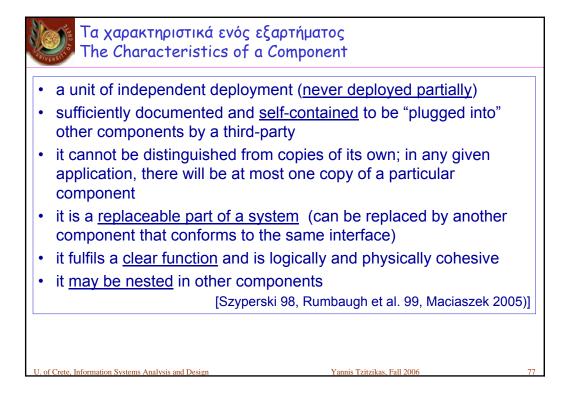


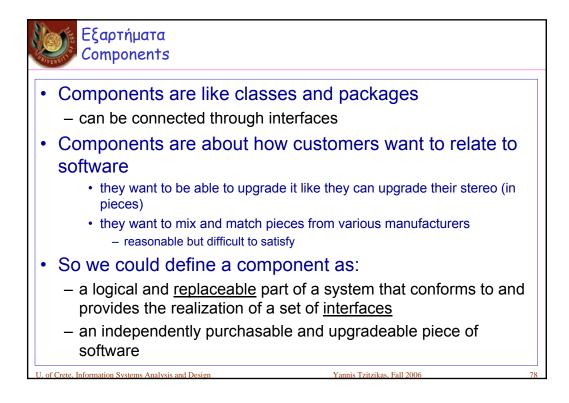


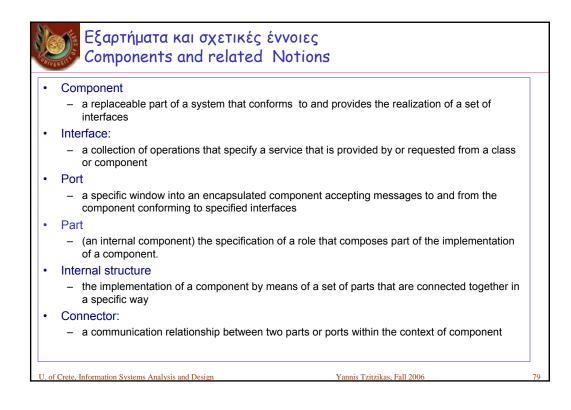


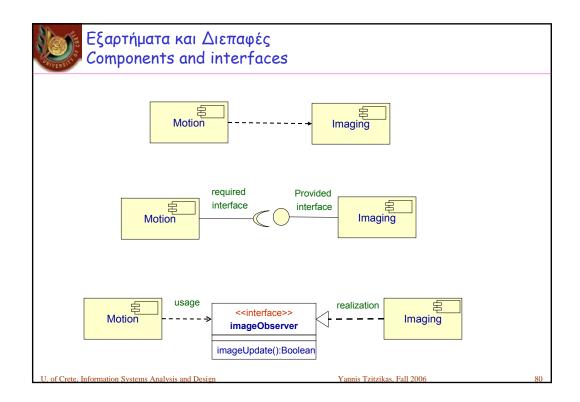


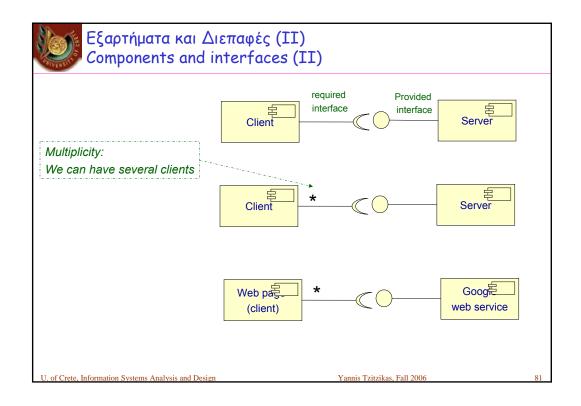


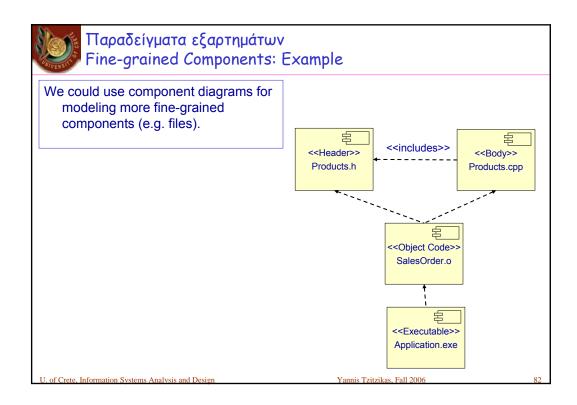


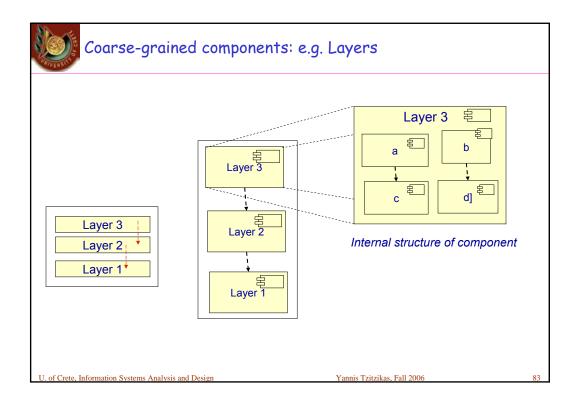


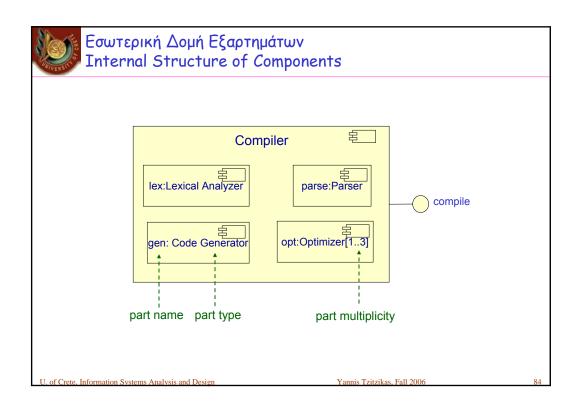




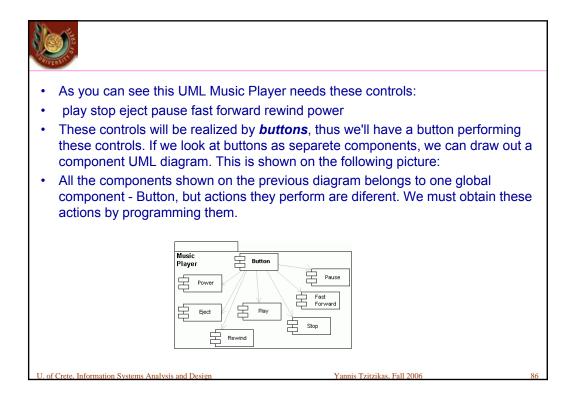


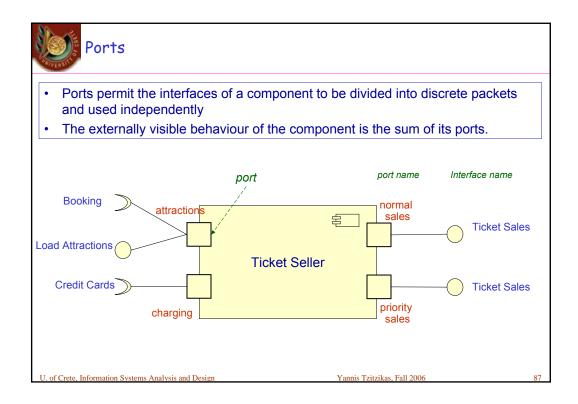


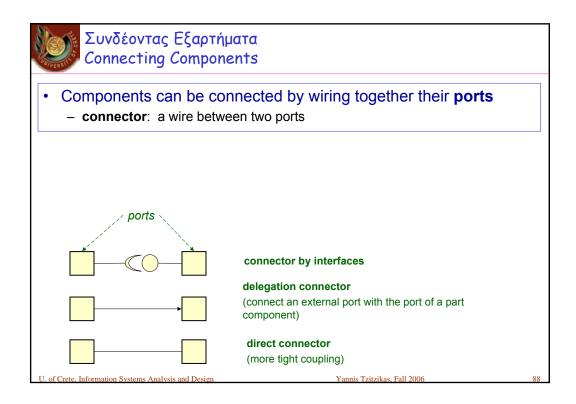


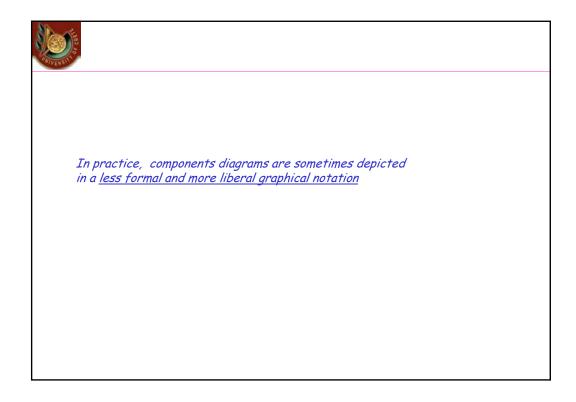


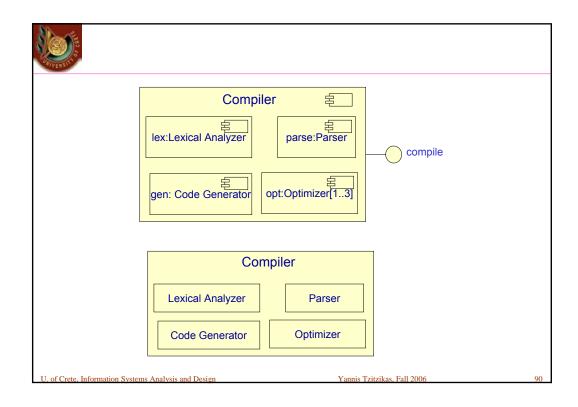


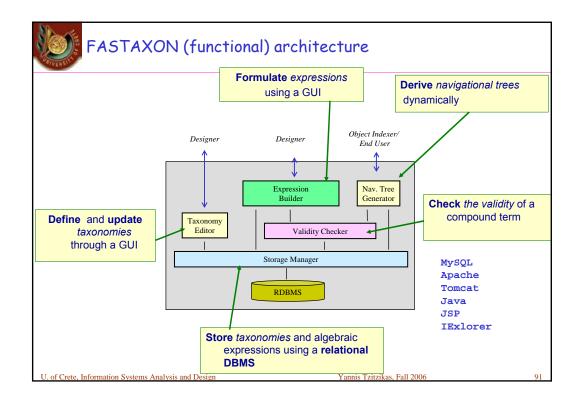


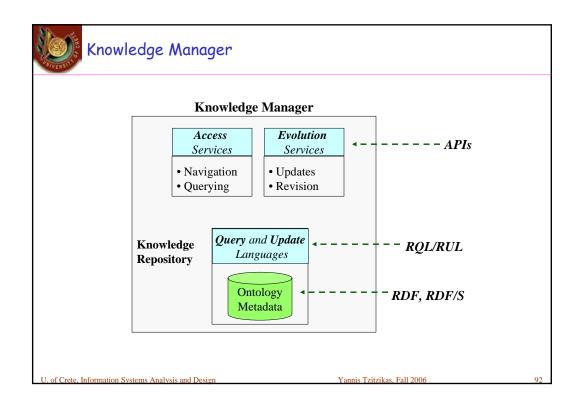


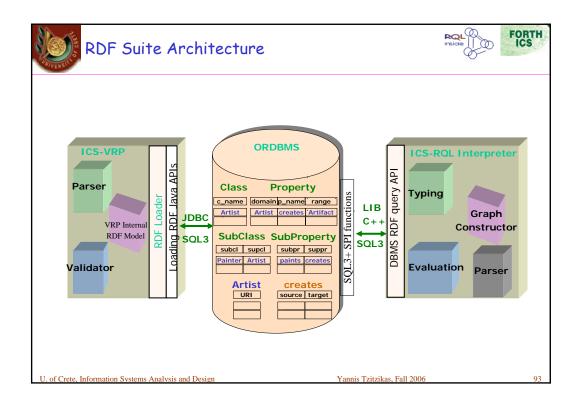


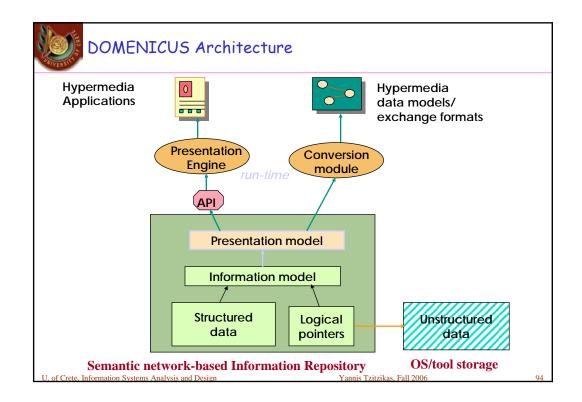


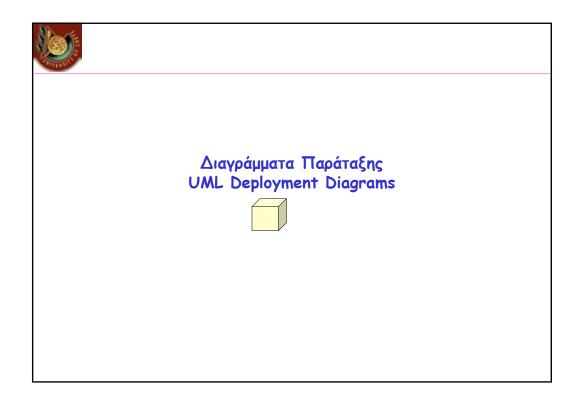


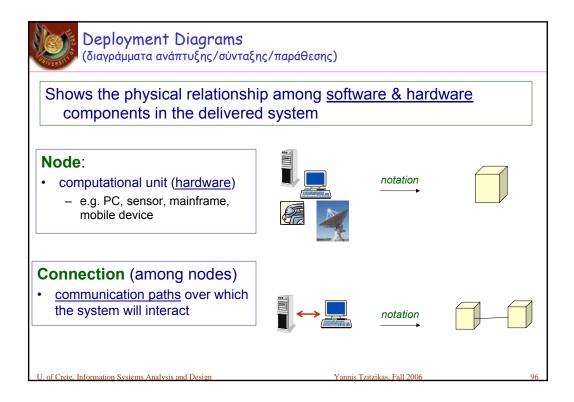


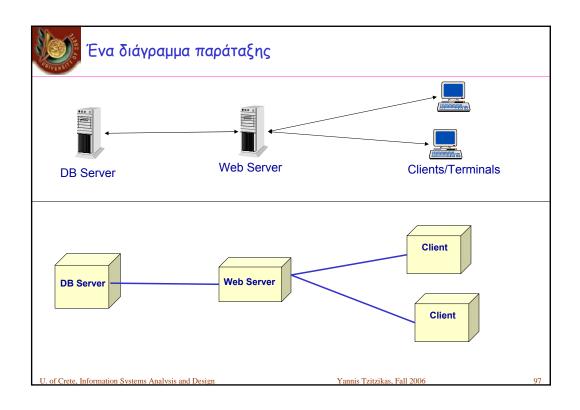


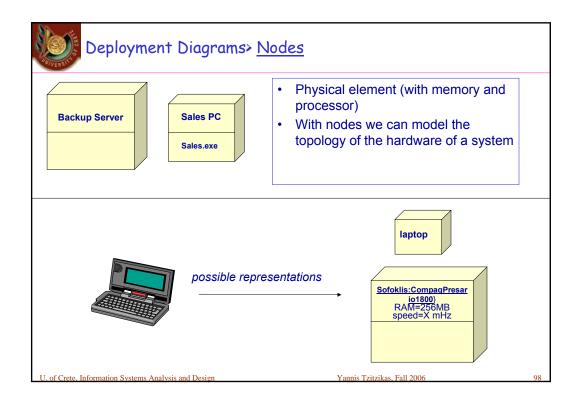


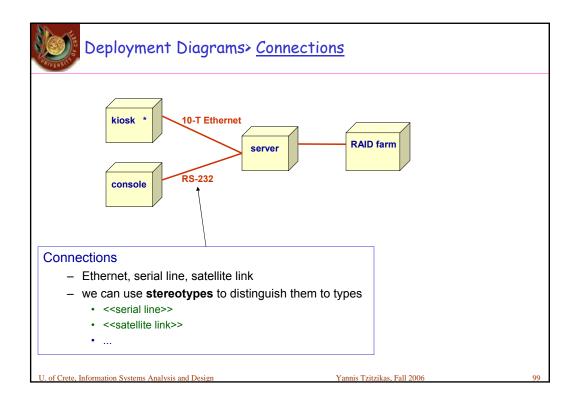


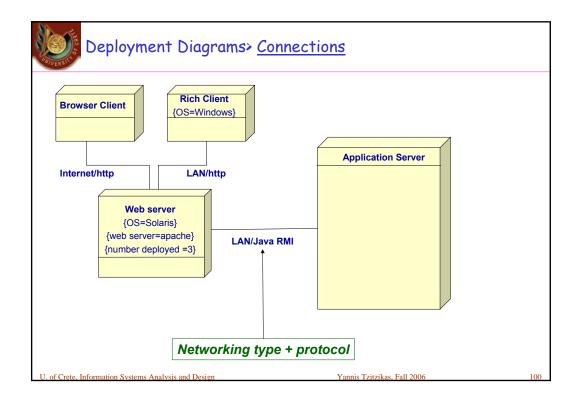


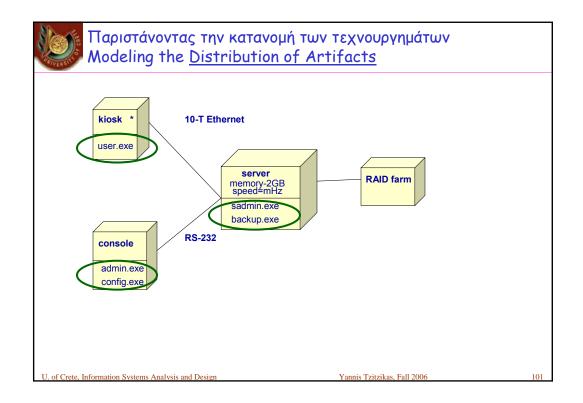


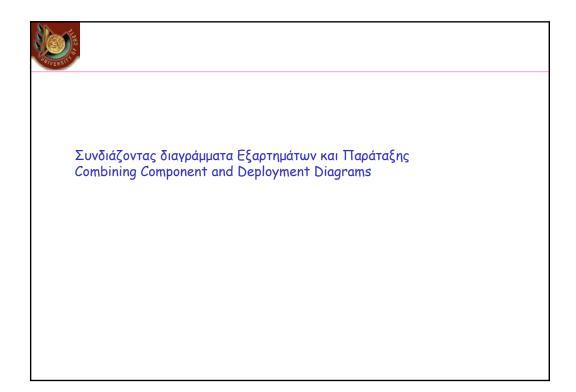


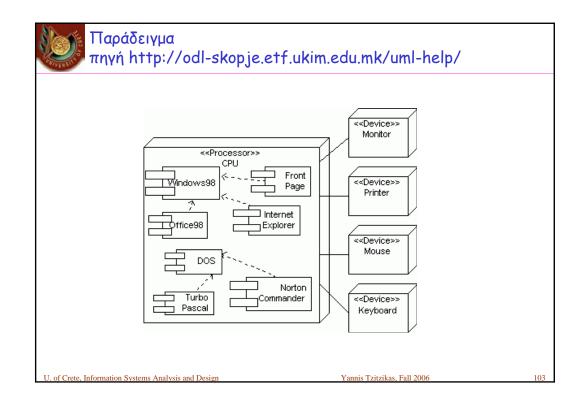


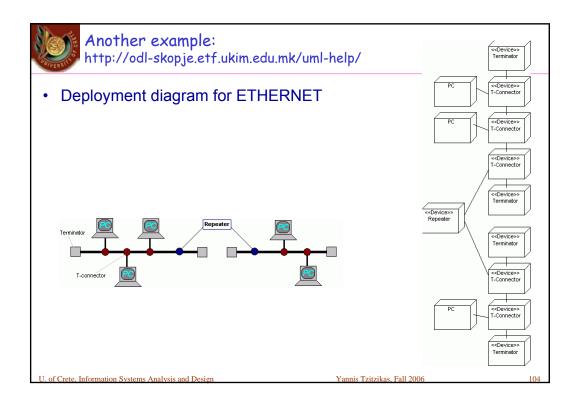


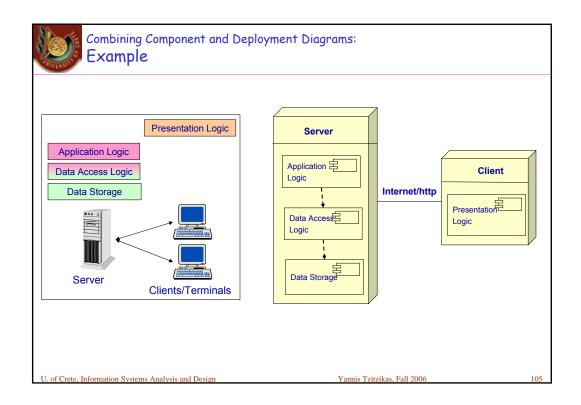


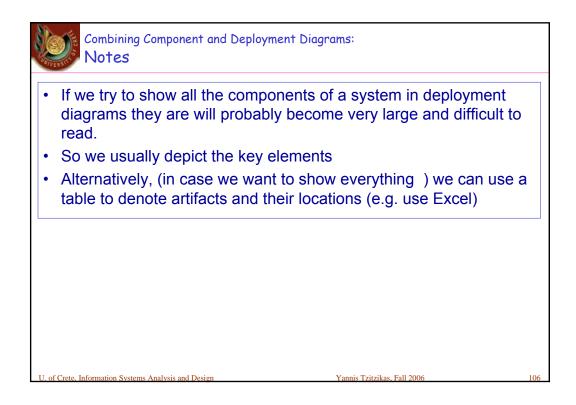


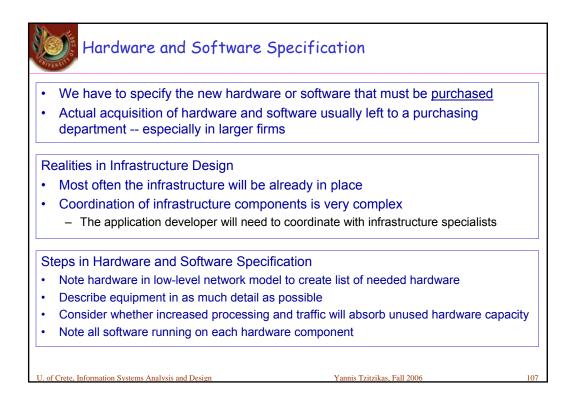




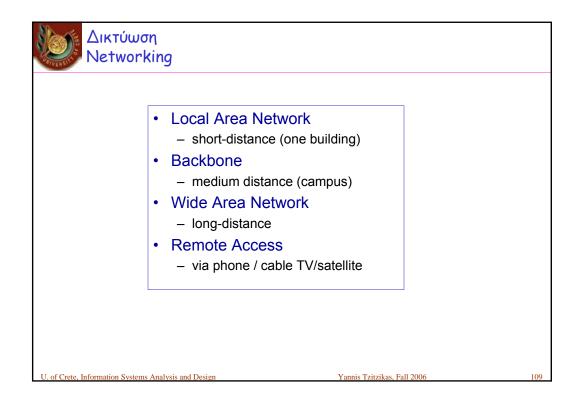








Hardware	
Commercial/Business	
 Mainframes, Commerial Minicompute Embedded Systems 	rs, Microcomputers (Wintel: Windows on Intel),
Technical/Engineering	
 Supercomputers, Workstations and S Embedded Systems 	ervers (Sun SPARC), Microcomputers,
Some distinctions: Open vs Proprietary 	
 Proprietary: available by only one ven 	dor (higher prices, low interoperability)
 Open: available from many vendors (I 	
Black-Box vs Glass-Box	····· · · · · · · · · · · · · · · · ·
 Black- box: only the vendor has access 	ss to its internals (e.g. bank ATM)
 Glass Box: internals are accessible by 	y the user, may replaceable by other vendor
Free UNIX derivatives (Linux, BSD) of	n Intel x86 with source code are glass-box systems
U. of Crete, Information Systems Analysis and Design	Yannis Tzitzikas, Fall 2006 108



LAN	Backbone Network	WAN
Ethernet - 10/100 Mb (1Gb fibre) - Inexpensive, widely used Token Ring - 4/16 Mb - Not often used ATM (copper) - 155 Mb (622Mb fibre) - Expensive, complex, flexible, high-overhead	 100 Mb (fibre) or Gb Ethernet fast, inexpensive, simple FDDI Old 100 Mbit (increasingly obsolete) ATM 155 Mb, 622 MB 	 Long-distance line leased from telephone companies Satellite links sometimes used
	ccessing a LAN or internet vi - work from home, access whe	a phone/cable TV service n travelling, home internet service

