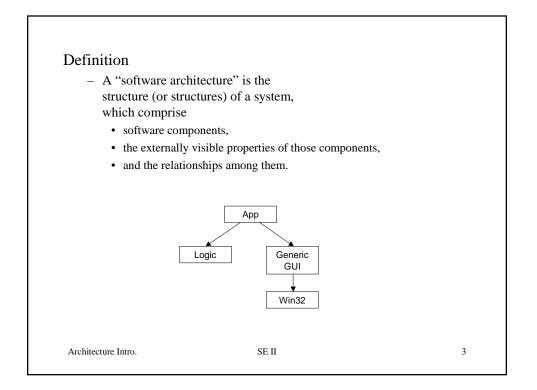
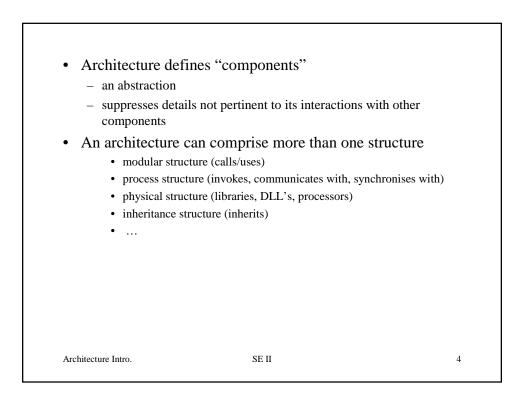
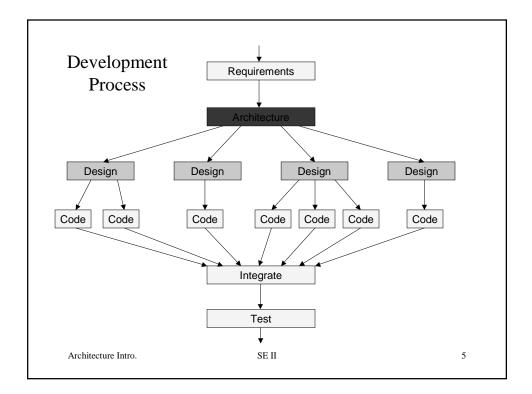
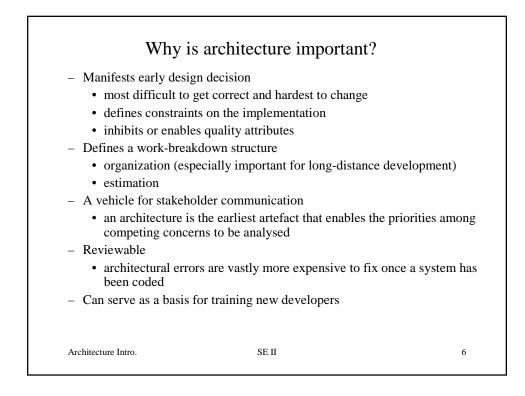
	Software Architecture	
	Introduction	
Architecture Intro.	SE II	1

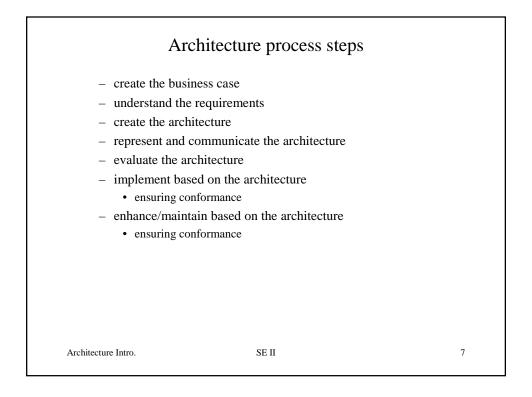
Overview	
<ul> <li>General Introduction <ul> <li>definitions</li> <li>importance</li> <li>context</li> </ul> </li> <li>Parnas KWIC case study</li> <li>General types of systems architecture <ul> <li>monolithic</li> <li>client/server</li> <li>3-tiered</li> </ul> </li> <li>grocerygateway.com case study</li> </ul>	
Architecture Intro. SE II	2

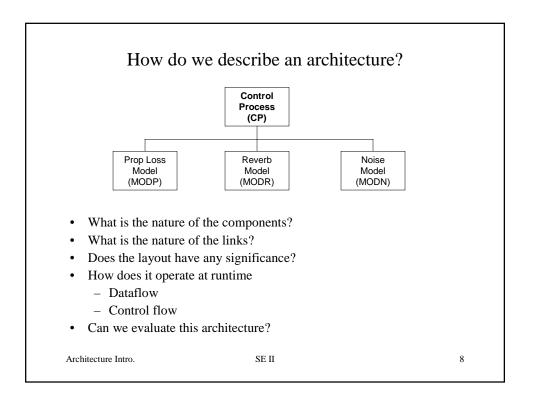


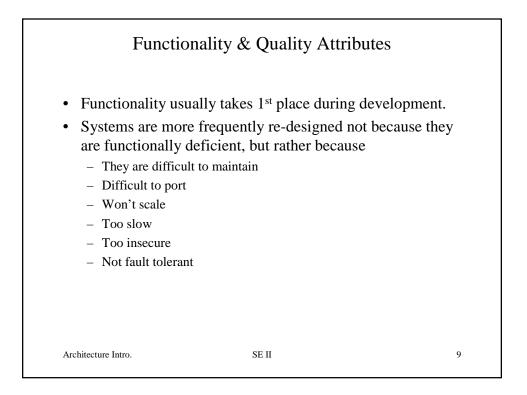


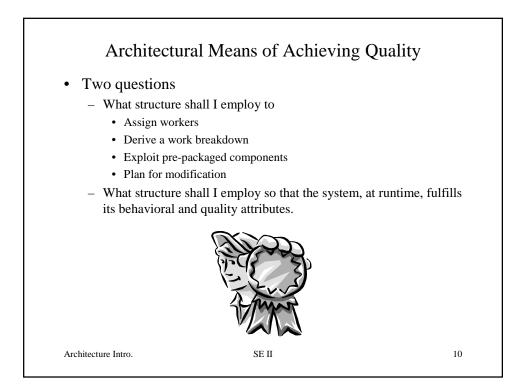


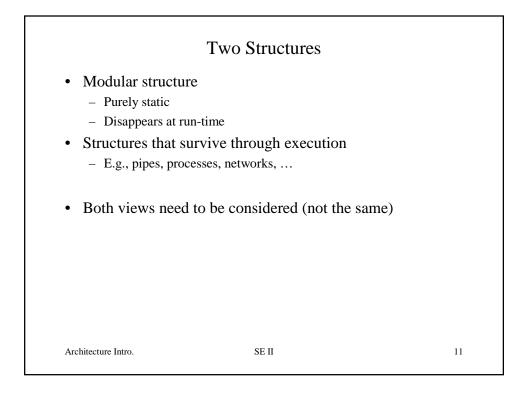




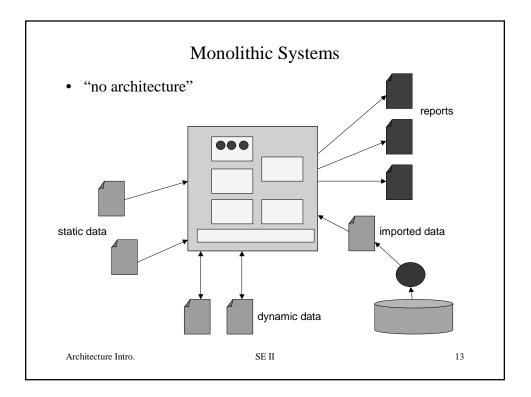








Syst	em Architecture Choice	s
<ul> <li>Monolithic</li> <li>1 large program</li> </ul>	, imports/exports data	
<ul> <li>Client/Server</li> <li>collection of client</li> <li>"fat client"</li> </ul>	ents, updates database	
<ul> <li>3-tiered (n-tiered</li> <li>– collection of clie</li> <li>– "thin client"</li> </ul>	l) ents, 1 mid-tier process for "busin	ess rules"
• Peer-to-Peer – distributed colle	ction of servents/clervers	
Architecture Intro.	SE II	12



Examples	
<ul> <li>Most programs you deal with day-to-day <ul> <li>word processing</li> <li>spreadsheets</li> <li>powerpoint</li> <li>e-mail (?)</li> <li>inexpensive accounting packages</li> <li>development environments</li> <li>compilers</li> <li>most games <ul> <li>(not Combat Flight Simulator)</li> </ul> </li> <li>Large, corporate batch systems</li> <li>payroll</li> <li>reports</li> <li>Descartes route planning</li> </ul></li></ul>	
Architecture Intro. SE II 14	

