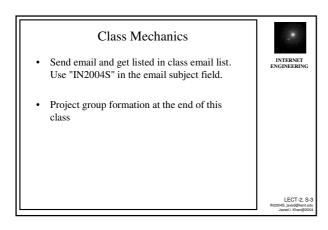
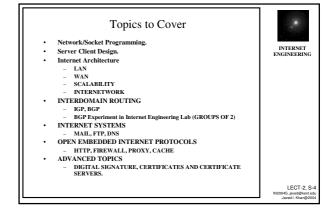
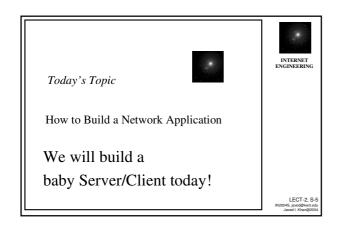


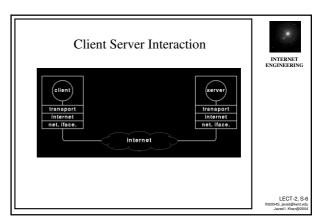
Application Architecture

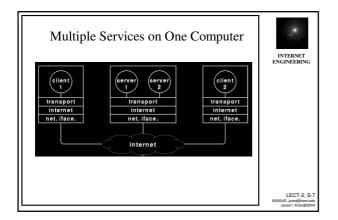
2

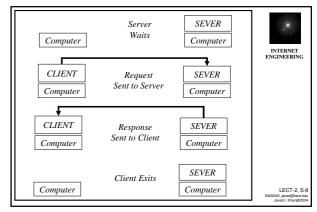


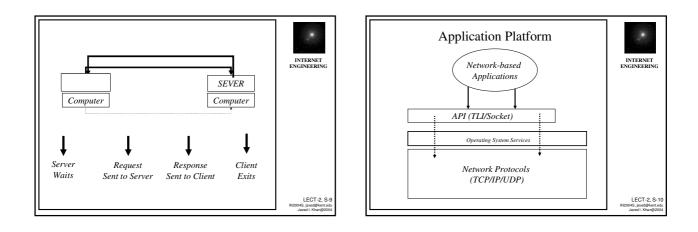


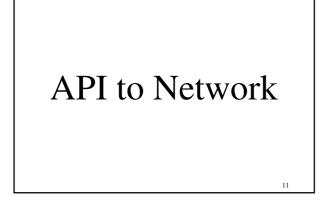




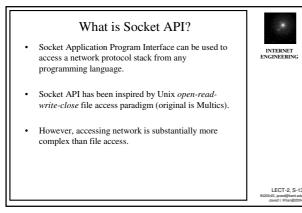








Network APIs	
 <u>Transport Layer Interface (TLI)</u> was developed in mid 1980s by AT&T with release 3 of system V UNIX. Later it became a part of Sun systems. Now this is available everywhere. 	INTERNET ENGINEERING
• <u>Socket API</u> is the original API developed by Berkeley UNIX group in late 70's and early 80s. Available on BSD UNIX Systems.	
<u>WinSock</u> is the API version provided for Microsoft Windows.	
	LECT-2, S-12 IN2004S, javed@kent.edu Javed I. Khan@2004



	Sockets & Files	3
•	An integer called file descriptor is returned, when a file is opened.	INTERNET ENGINEERING
•	In the same way a socket descriptor is returned when a socket is opened.	
•	A file descriptors binds to a file when it is open.	
•	But, a socket can be created without binding to a specific destination. Applications can choose when to bind	
	 Datagram binds each time when it sends, therefore same socket can be used to send to many. 	
	 TCP binds once, and it remains, thus avoids repeated binding. 	

