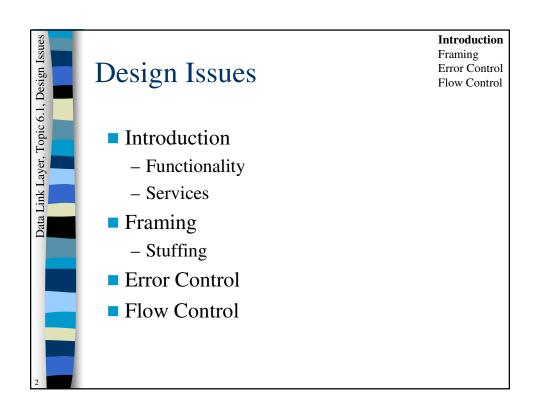
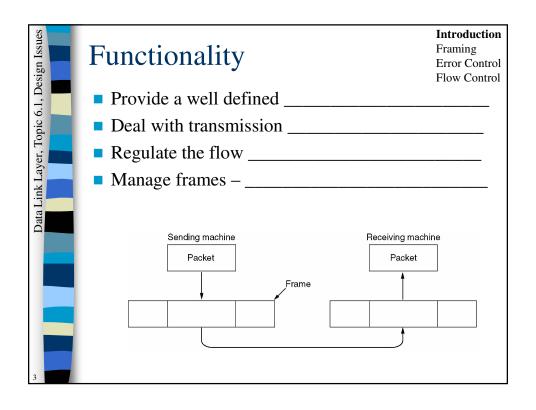
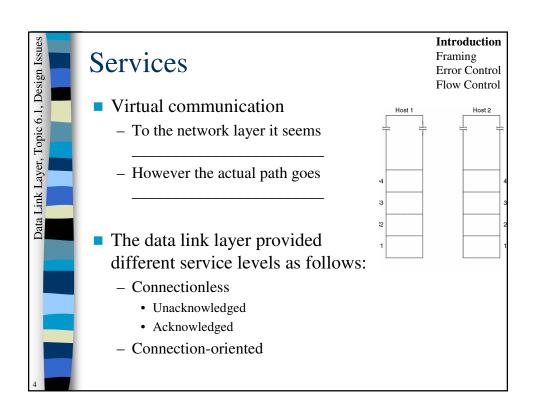
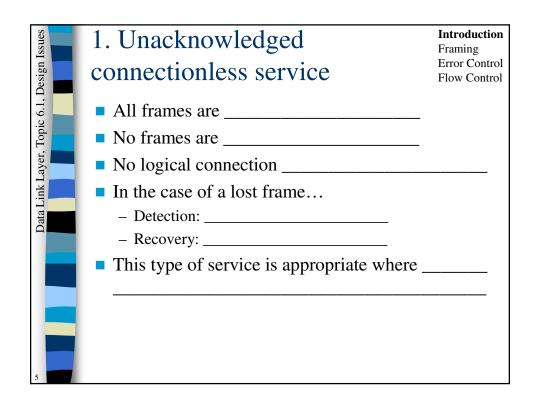
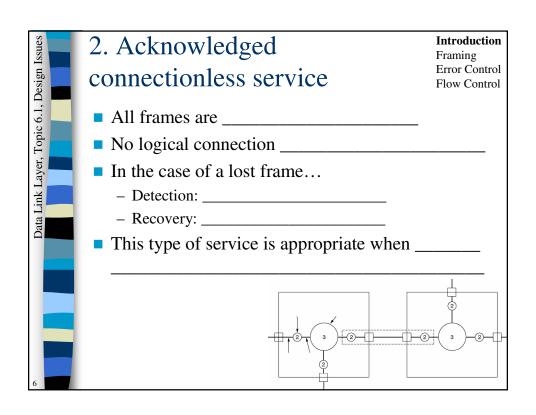
Previously Error Correction – Forward Error Correction Error Detection – Cyclic Redundancy Check





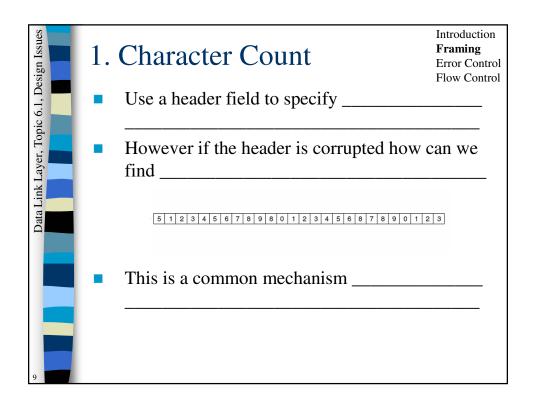


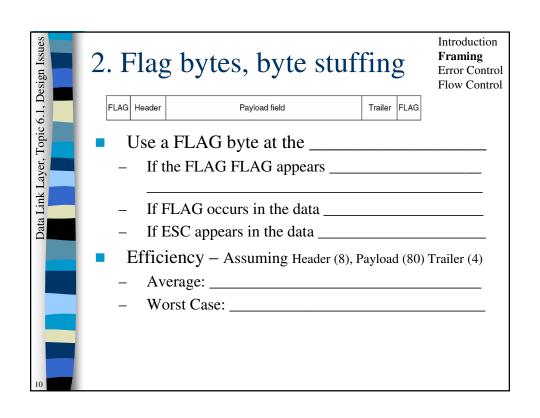


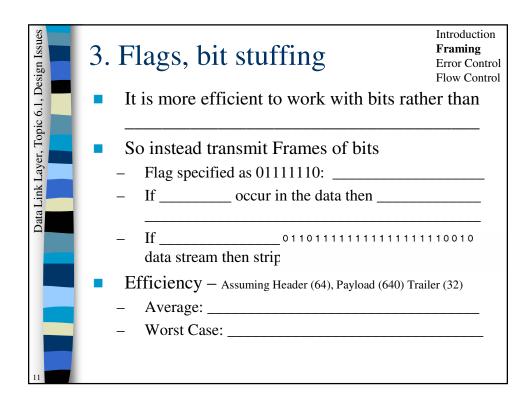


senes	3. Acknowledged connection—	Introduction Framing
esign I	oriented service	Error Control Flow Control
Oata Link Layer, Topic 6.1, Design Issues	All frames are	
Topi	A logical connection	
ayer,	■ Frames are guaranteed to arrive only	
inkI	■ Frames are guaranteed to arrive in	
Data I	Three phases	
	- Connection:	
	- Transmission:	
	- Release:	
	■ This type of service is appropriate where _	
7		

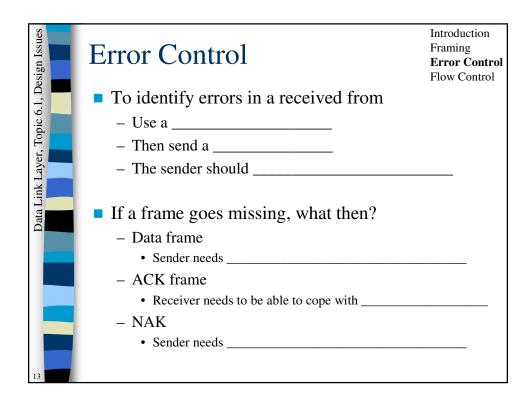
Data Link Layer, Topic 6.1, Design Issues	Transmitting Frames	Introduction Framing Error Control Flow Control
: 6.1, De	To transmit frames the data link layer m	ust use
ver, Topi	This provide an where	
Link Lay	 The data link layer takes packets and bre them into 	eaks
Data	Framing the data is done using various n	nethods:
	1. Character count	
	2. Byte stuffing	
	3. Bit stuffing	
	4. Coding violations	
8		
0		







4. Coding violations Framing Error Control Flow Control Some physical layer coding scheme use more than It is possible to use Introduction Framing Error Control Flow Control Use The Coding of the Control Flow Control The Coding of the Control Flow Control Flow Control The Coding of the Coding of the Control Flow Control F



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Data Link Layer, Topic 6.1, Design Issues	Flow Control	Introduction Framing Error Control Flow Control
	Swamping	
	 It is possible that a receiver may not be able to 	cope
ayer, T	– E.g	
Link L		
)ata	■ To overcome this:	
	 Use Feedback based flow control where 	-
	Use Rate based flow control but	_
		-
14		