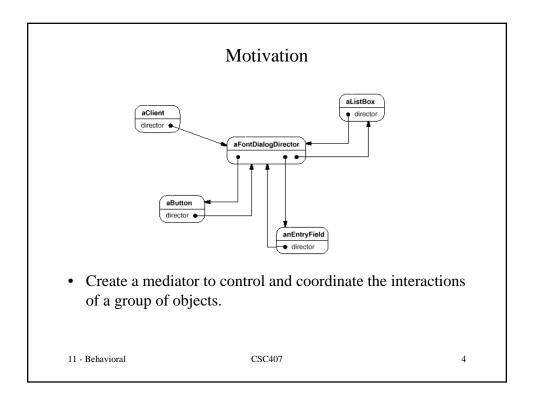
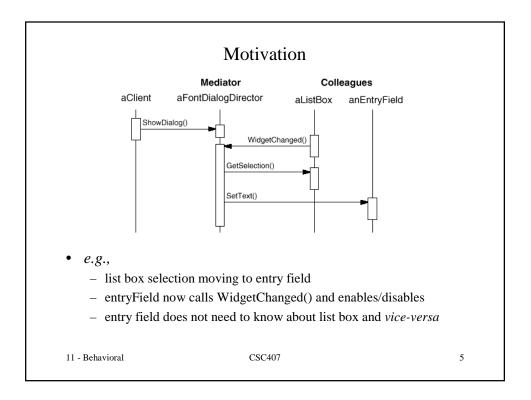
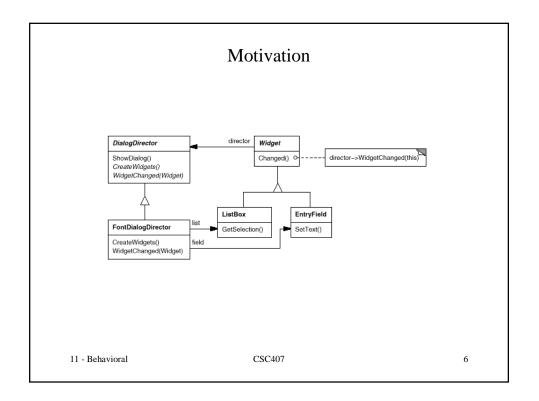


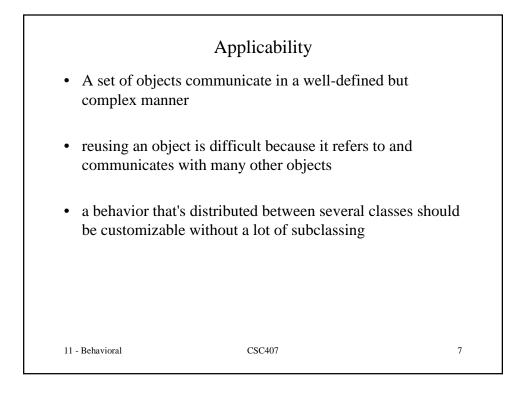
Mediator				
interact. – promotes loo other explici	ject that encapsulates how a set of objects as coupling by keeping objects from referring to ea thy their interaction independently	ıch		
11 - Behavioral	CSC407	2		

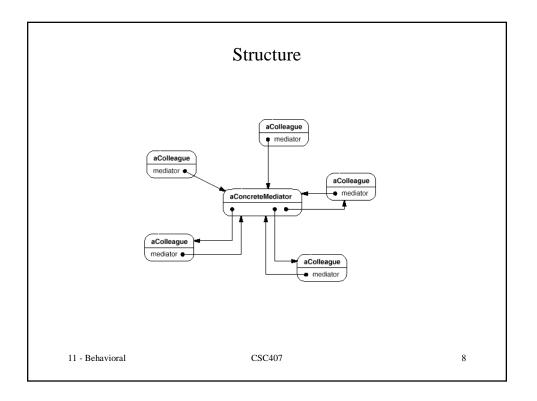
	Motivation			
<u>11</u> F	ont Chooser 🗾 🗖			
	The quick brown fox			
F	amily new century schoolbook			
	avant garde 🗘 chicago 📰 netwetica netweentary schoolicook palatino timer roman zapf dingbats o			
v	Veight Omedium @bold Odemibold			
	Slant Oroman Oitalic Ooblique			
	Size 34 pt 3 □condensed			
	(Cancel) (OK)			
• A collection of widgets that interact with one another.				
e.g., certain familedisable 'demibo	s may not have certain weights ld' choice			
11 - Behavioral	CSC407	3		

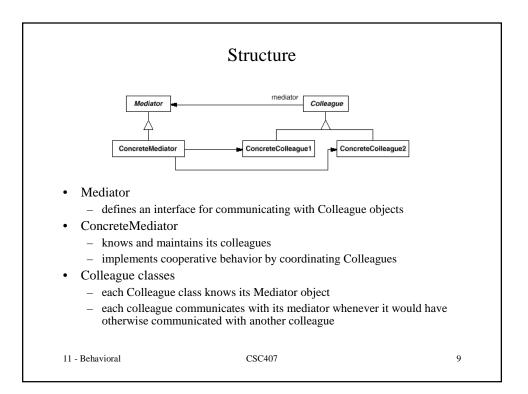




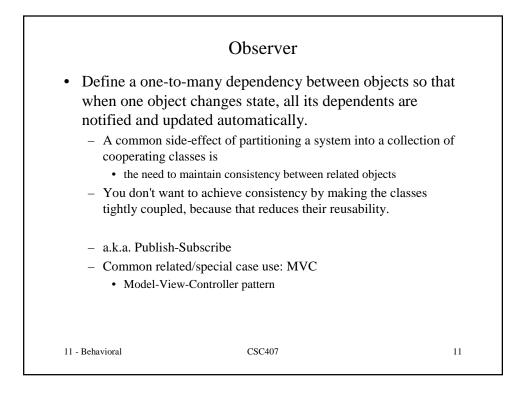


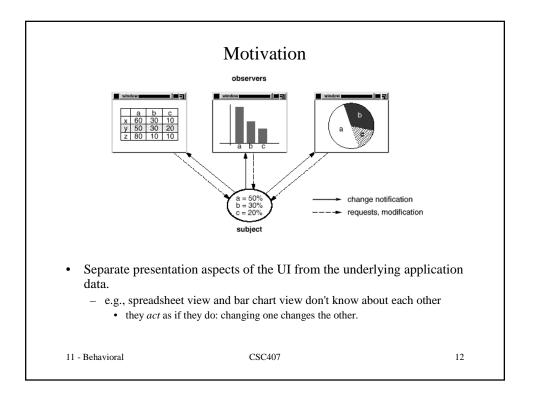


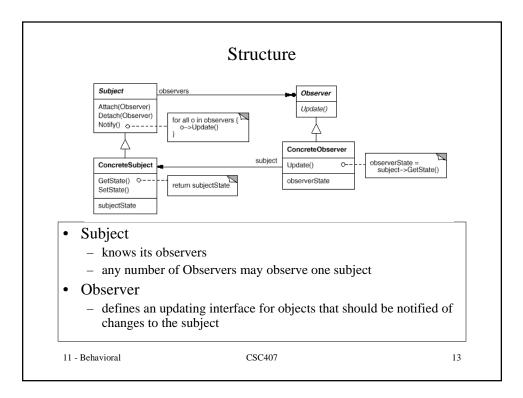


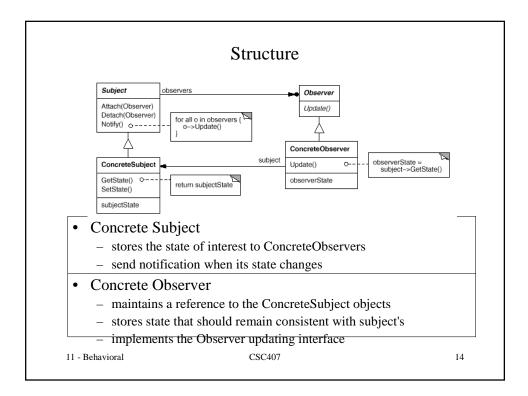


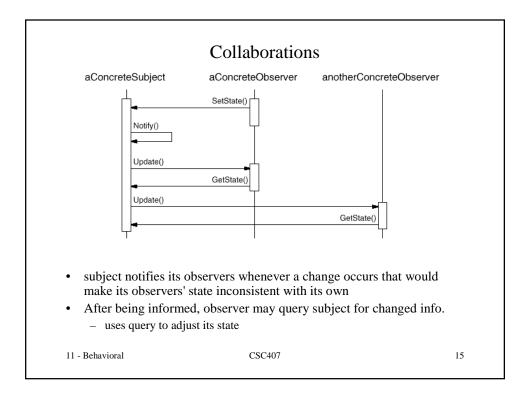
Consequences				
 limits subclassing localizes behaviour that otherwise would need to be modified by subclassing the colleagues decouples colleagues can vary and reuse colleague and mediator classes independently simplifies object protocols replaces many-to-many interactions with one-to-many one-to-many are easier to deal with abstracts how objects cooperate can focus on object interaction apart from an object's individual behaviour 				
 mediator can become a monster 11 - Behavioral CSC407 10 				

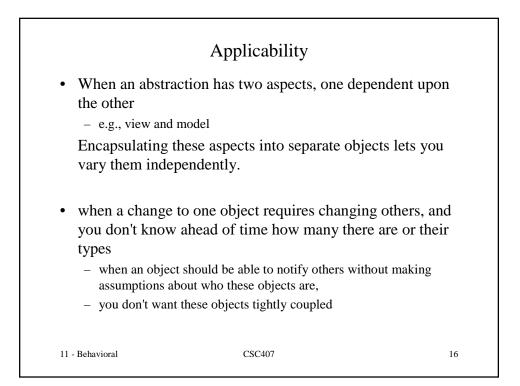


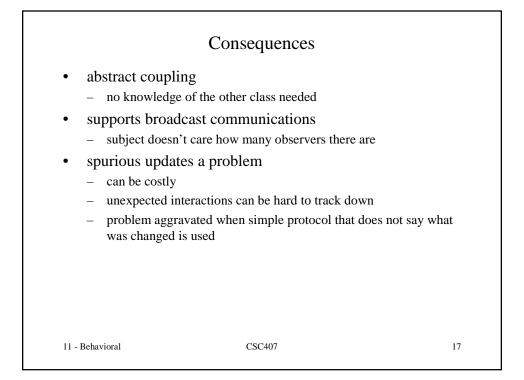












	Implementation	
 data structure in Who triggers the subject state cha > 1 update fo clients complicates A 	ubject-oriented than one subject ell you which subject nplications (e.g., linked list) e notify() anging methods r a complex change API & error-prone erations and send only one update	
11 - Behavioral	CSC407	18

Implementation • dangling references to deleted subjects - send 'delete message' - complex code • must ensure subject state is self-consistent before sending update push versus pull ٠ - push: subject sends info it thinks observer wants - pull: observer requests info when it needs it - registration: register for what you want • when observer signs up, states what interested in • ChangeManager - if observing more than one subject to avoid spurious updates • Can combine subject and observer 11 - Behavioral CSC407 19