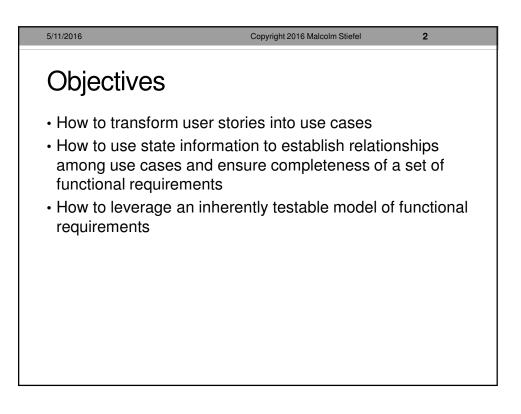
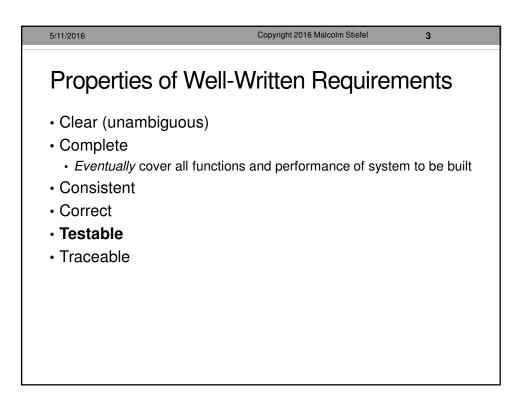
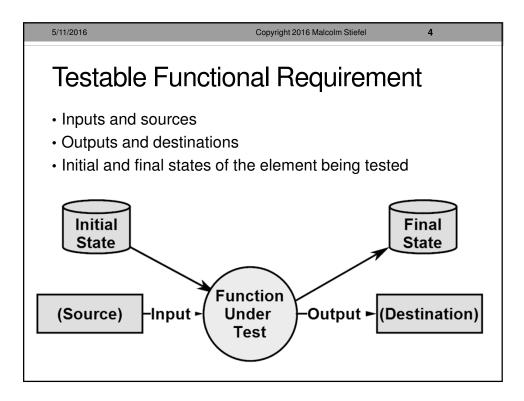
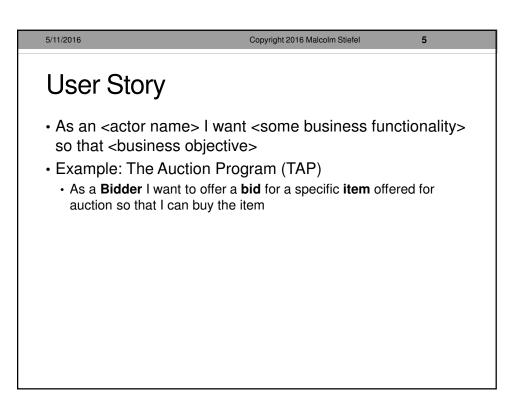
## TURN USER STORIES INTO COHERENT TESTABLE REQUIREMENTS

By Mal Stiefel malstiefel@mindspring.com 978-407-5064 SQGNE: May 11, 2016

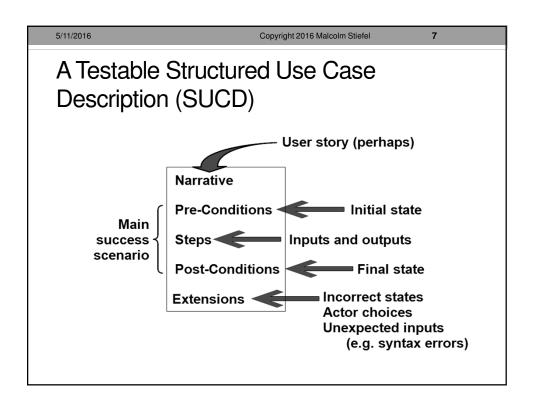


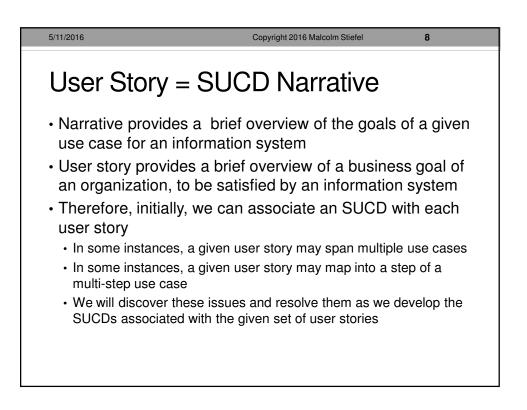


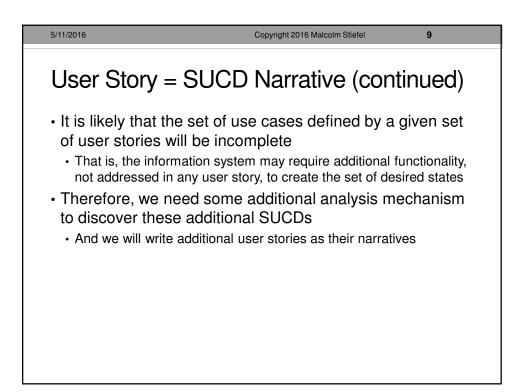


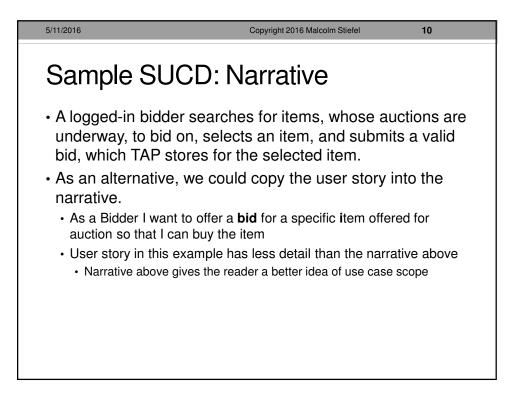


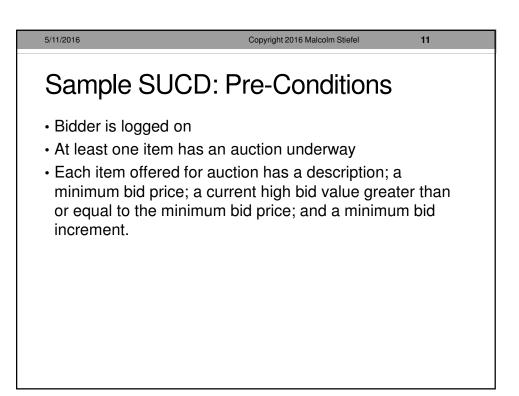
Testability Analysis			
Testable Ftn Property	Value		
Input information	Bid amount; item ID (implied)		
Input source	Bidder		
Initial state	Item ID exists (implied)		
	Current high bid amount TBD		
	Minimum Bid increment TBD		
Output information (1)	Bid amount (implied) Item ID (implied)		
Output destination (1)	Auction data store (implied)		
Output information (2)	Indication that bid has been accepted TBD		
Output destination (2)	Bidder TBD		
Final state	Unchanged item ID (implied)		
	Updated high bid amount (implied)		





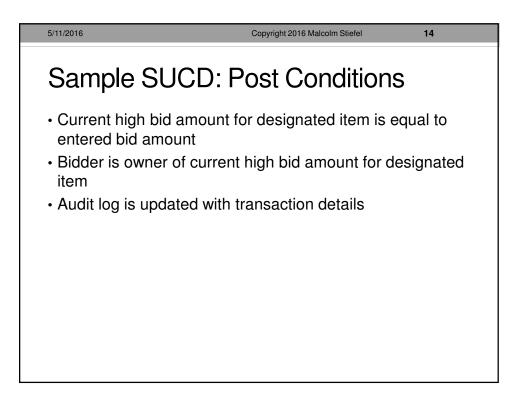


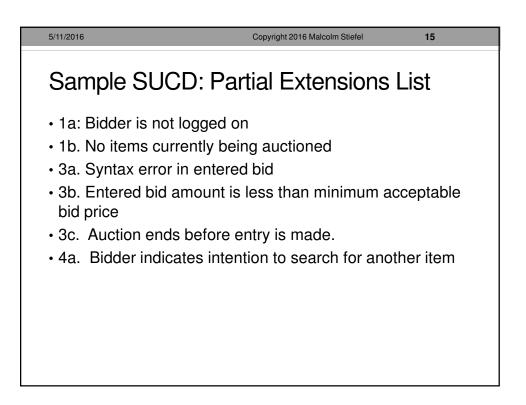


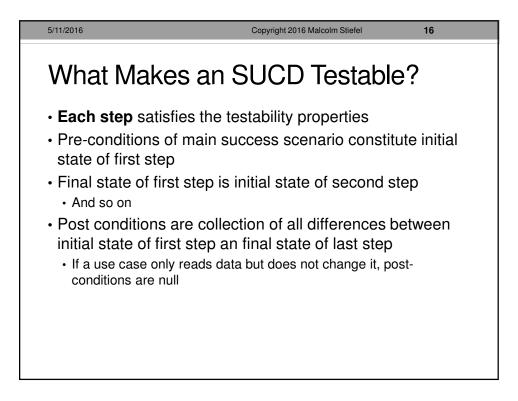


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Sample SUCD: Steps				
Input from Actor	System Response			
1. Bidder requests capability to search for and bid on items being auctioned.	<ul> <li>i. TAP determines that Bidder is logged on.</li> <li>ii. TAP provides capability for Bidder to search for and bid on items being auction, showing for each item: description, current minimum acceptable bid price (see * below), remaining hours/minutes of auction.</li> <li>iii. TAP determines that an auction is currently underway for at least one item.</li> </ul>			
	<ul> <li>*Minimum acceptable bid price = larger of:</li> <li>a. Minimum bid price if no previous bids have been entered for this item; or</li> <li>b. Previous bid plus minimum bid increment, if one or more previous bids have been entered for this item.</li> </ul>			

Sample SUCD: Steps (continued)				
Input from Actor	System Response			
2. Bidder searches for item to bid on	i. TAP keeps track of current item being examined by Bidder.			
3. Bidder designates item to bid on, and enters bid amount.	<ul> <li>i. TAP determines that entered bid amount is greater than or equal to minimum acceptable bid price</li> <li>ii. TAP stores entered bid amount as current high bid amount for designated item.</li> <li>iii. TAP provides transaction details to TAP audit log</li> <li>iv. TAP provides acknowledgment to Bidder that bid has been accepted</li> <li>v. TAP asks Bidder, "Do you want to search for another item?"</li> </ul>			
4. Bidder declines to search for more items.	i. Use case terminates.			







User Story vs. SU	
User Story Not testable	SUCD Testable
Very easy (low cost, fast) to create and maintain	Harder (higher cost, slower) to create and maintain
May rely on continued availability of originator to answer questions, explain intent	Does not rely on continued availability of originator
Requires additional effort to produce acceptance test cases	Already written in the form of acceptance test cases
<your here="" notes=""></your>	

