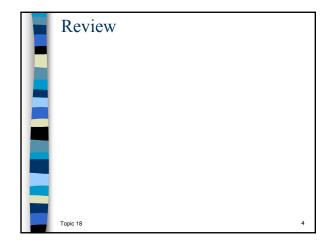
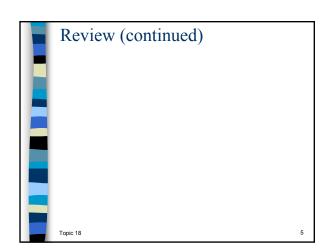
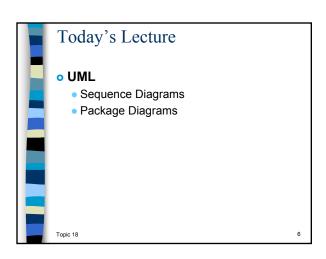


Previously in INF 111	
■ • UML	
<ul><li>Class Diagrams</li></ul>	
<ul><li>Use Case Diagrams</li></ul>	
<ul> <li>Sequence Diagrams</li> </ul>	
_	
Topic 18	3

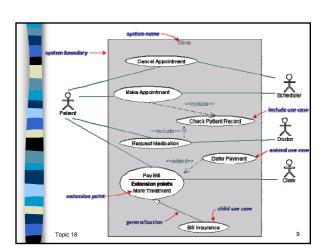


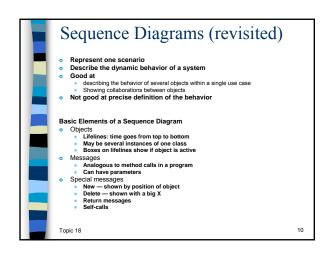


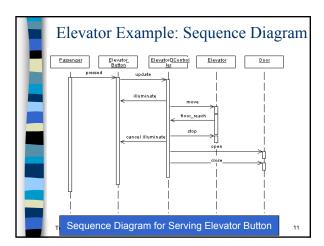


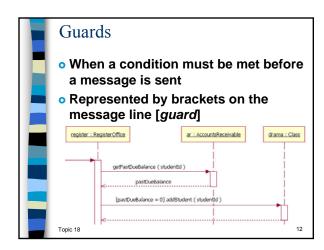
## Use Cases:Include & Extendsrevisited • Includes • A relationship in which one use case (the base use case) includes the functionality of another use case • Promotes reuse • Should be used when the inclusion case is common in two or more use cases Both use similar notation, but are very different. Represented with a dashed line and <<includes>> or <<extends>>

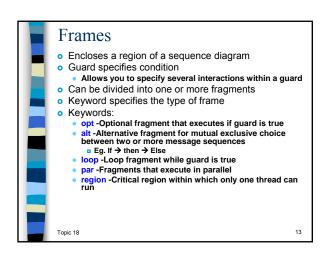
## Include & Extend revisited • Extend: • specifies that one use case (extension) extends the behavior of another use case (base). • reveals details about a system or application that are typically hidden in a use case • the extension use case is not meaningful on its own • Describes behavior sequences that can change the base case • Each behavior sequence can be inserted into the base use case at a different point, called an extension point • When do you use it • A part of a use case that is optional system behavior • A subflow is executed only under certain conditions • A set of behavior segments that may be inserted in a base use case

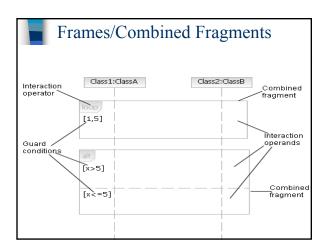


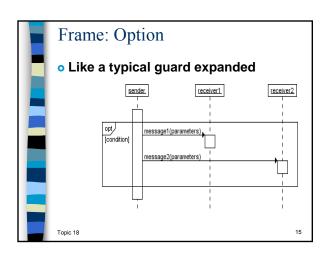


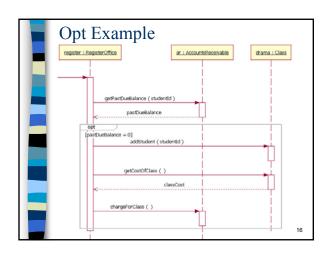


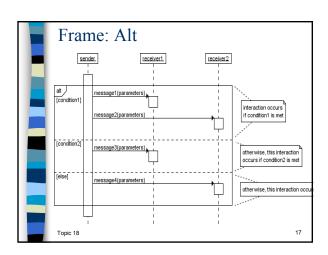


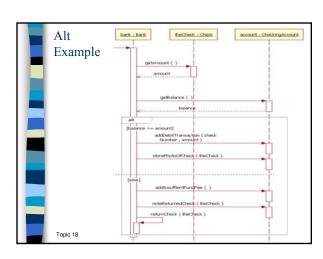


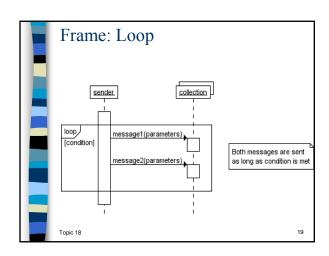


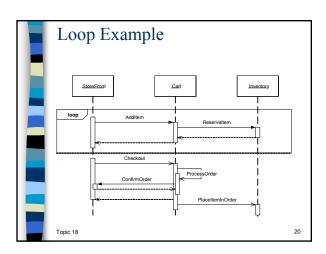


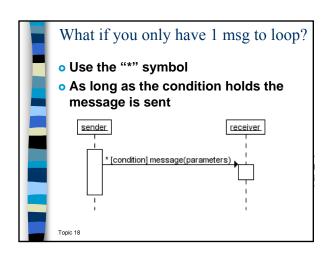












Synchronous & Asynchronous Calls  • Synchronous   • Some methods must finish before another can start  • Asynchronous   • Some methods can continue executing while others run	
Topic 18 22	