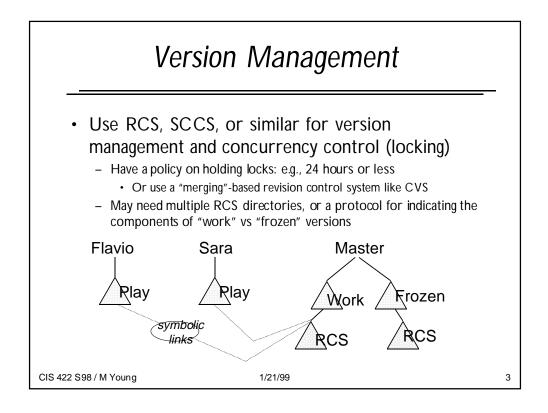
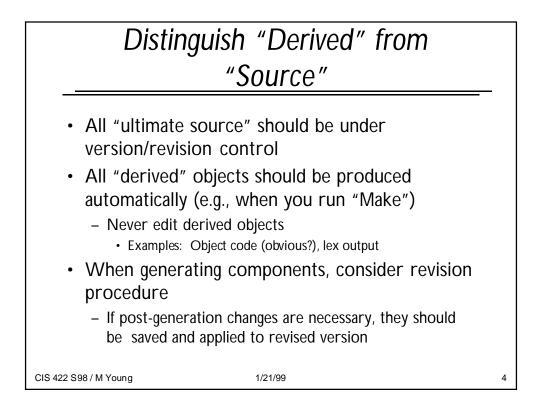
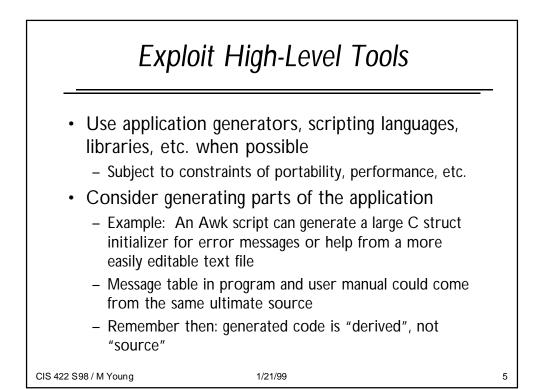
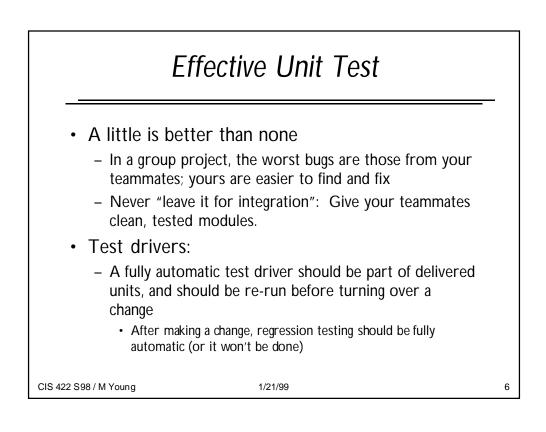


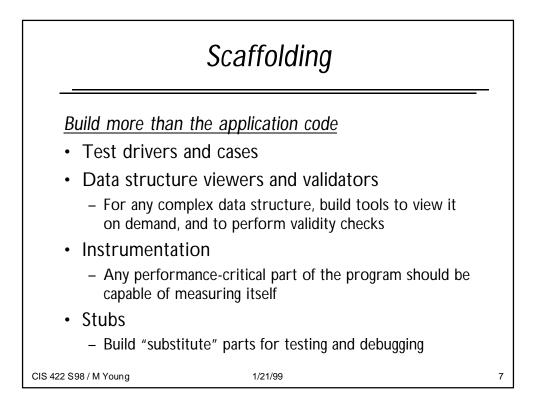
Change Control	
<ul> <li>Typically three "builds" are current:         <ul> <li>Frozen: The "demo" version (shared)</li> <li>Work: The current integrated version (shared)</li> <li>Play: Individual developer's version</li> </ul> </li> </ul>	
<ul> <li>Steps:         <ul> <li>Programmer checks out module to "play", makes changes and tests against "work" modules of others</li> <li>Programmer checks in module when it has been tested against the "work" version (this may require coordination)</li> </ul> </li> </ul>	
<ul> <li>On a regular schedule, "Work" version is tested and moved to "Frozen" version</li> <li>CIS 422 S98 / M Young 1/21/99</li> </ul>	2

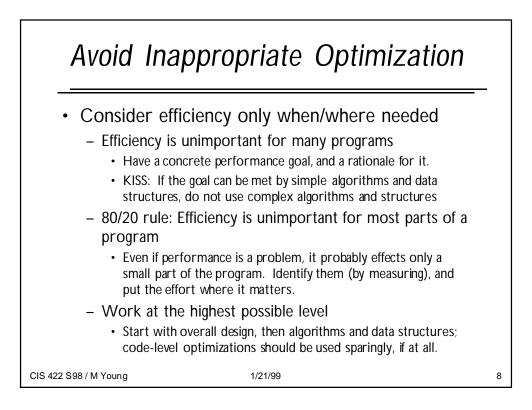


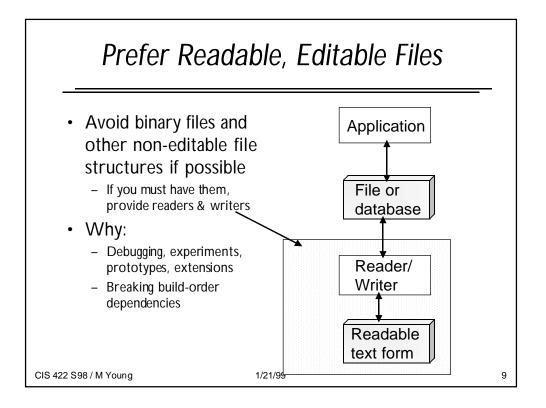












## Compile-time Errors are Better than Run-time errors Principle: Whenever possible, help the compiler catch your errors • Applications: - Strong typing (the stronger, the better) · Use explicit casts if necessary, rather than demoting types Access functions rather than public data in module interfaces · Whenever you can classify "correct" and "wrong" ways to access the data - Volatility markers: const (C++), "in" mode (Ada), "final" (Java) CIS 422 S98 / M Young 1/21/99 10

