

Outline Collaborative Editing Change Awareness Importance Comprehension On Paper On the Computer



Collaborative Editing

- Common artifacts
 - □ Viewed / Manipulated by 2+ people
- Modes
 - □ Coordinated with others
 - Not coordinated with others
 - □ Drift between the two



Change Awareness

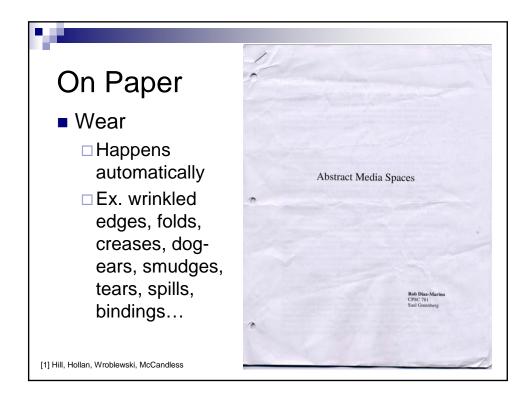
- Importance
 - □ Duplication of effort
 - □ Conflicts
 - □ Introduction of new mistakes
 - ☐ Group consensus

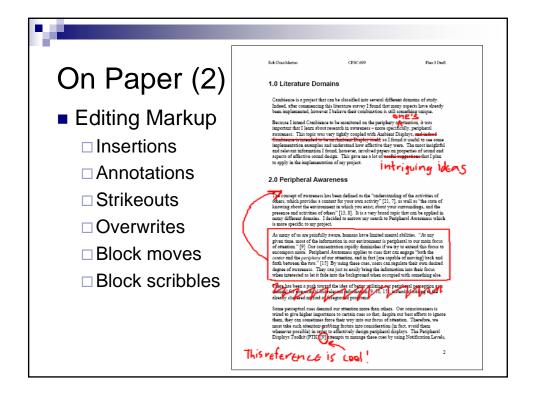


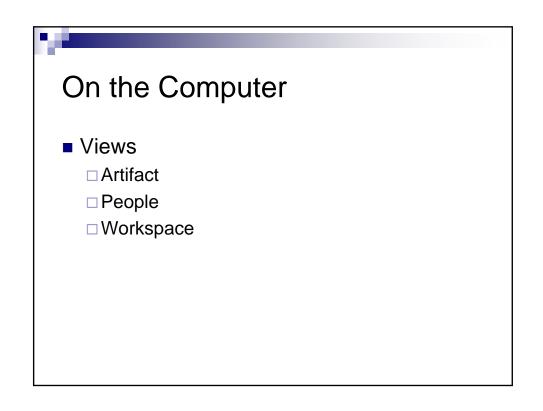
Change Awareness

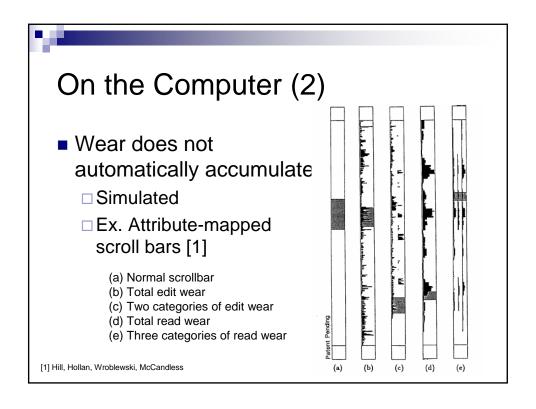
- What information is necessary to comprehend change?
 - □ Who Presence, Identity, Authorship
 - □ What Action, Intention, Artifact
 - □ Where Location, Gaze, View, Reach, Context
 - □ When Event History, Order
 - ☐ Why Cognitive/Motivational History
 - □ How Process, Outcome

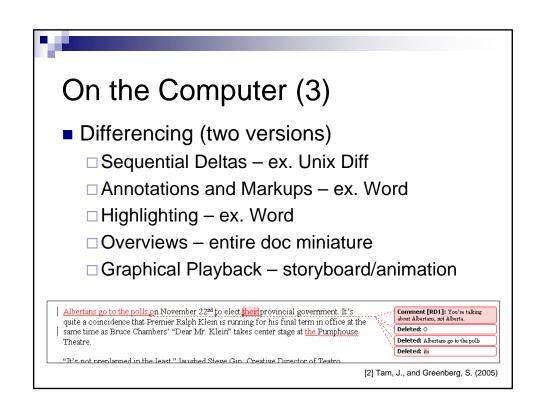
[2] Tam, J., and Greenberg, S. (2005)

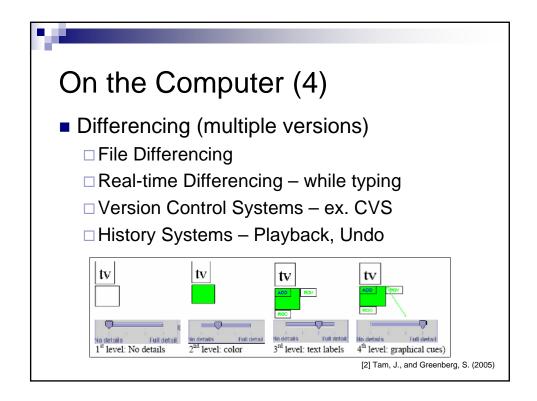


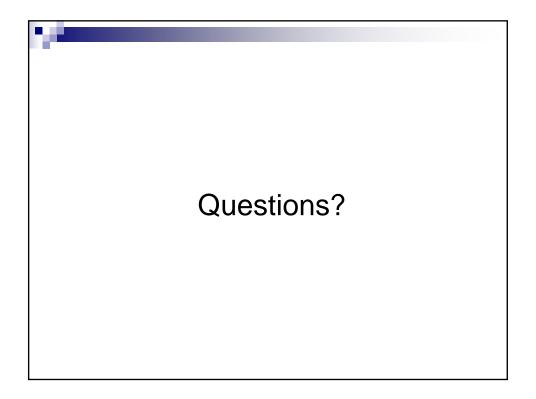














References

- William C. Hill, James D. Hollan, Dave Wroblewski, Tim McCandless. (1992) <u>Edit wear and read wear.</u> Proceedings of the SIGCHI conference on Human factors in computing systems, June 1992.
- 2) Tam, J., and Greenberg, S. (In Press Accepted May 2005) <u>Framework for Asynchronous Change</u> <u>Awareness in Collaborative Documents and</u> <u>Workspaces.</u> International Journal of Human Computer Studies, Elsevier.