Outline for April 3, 2006

Reading: *text*, §2

1. Greetings and felicitations!
2. ACM and entities
    a. Subjects, objects (includes subjects), and state (*S*, *O*, *A*) where *A* is ACM
3. Transitions modify ACM entries; primitive operations
    a. enter *r* into $A[\mathbf{s}, \mathbf{o}]$
    b. delete *r* from $A[\mathbf{s}, \mathbf{o}]$
    c. create subject $\mathbf{s'}$ (note $A[\mathbf{s'}, \mathbf{\mathit{x}}] = A[\mathbf{\mathit{x}}, \mathbf{s'}] = \varnothing$ for all $\mathbf{\mathit{x}}$)
    d. create object $\mathbf{o'}$ (note $A[\mathbf{\mathit{x}}, \mathbf{o'}] = \varnothing$ for all $\mathbf{\mathit{x}}$)
    e. destroy subject $\mathbf{s'}$
    f. destroy object $\mathbf{o'}$
4. Commands
    a. Regular command: *create•file*
    b. Monooperational command: *make•owner*
    c. Conditional command: *grant•rights*
    d. Biconditional command: *grant•read•file•1*
    e. Regular command: *grant•read•file•2*
    f. General form
5. Miscellaneous ACM points
    a. Copy flag and right
    b. *Own* as a special right
    c. Principle of Attenuation of Privilege
6. Example: history-based ACM
7. Example: query-set-control