COM S 352

Assignment 8(will not be graded)

13.8 When multiple interrupts from different devices appear at about the same time, a priority scheme could be used to determine the order in which the interrupts would be serviced. Discuss what issues need to be considered in assigning priorities to different interrupts.

13.12 What are the various kinds of performance overhead associated with servicing an interrupt?

13.13 Describe three circumstances under which blocking I/O should be used. Describe three circumstances under which non-blocking I/O should be used. Why not just implement non-blocking I/O and have processes busy-wait until their devices are ready?

14.12 The access-control matrix can be used to determine whether a process can switch from, say, domain A to domain B and enjoy the access privileges of domain B. Is this approach equivalent to including the access privileges of domain B in those of domain A?

14.24 How can systems that implement the principle of least privilege still have protection failures that lead to security violations?