CS490 Windows Internal

Project 2 Detect and Resolve File Handle Conflict

Due: Nov 29, 2012

Requirement:

Picture this common scenario: you want to delete a file in Windows, but the system tells you that this file has been opened by another process, but it doesn't tell you which the process is. So you have to restart your system and try again.

In this project, you are required to implement a program that can detect and resolve such file handle conflict. Here is how this program works.

After this program starts, it will be running on the background and listening to handle conflict. Once a handle conflict happens, this program informs the user which process causes that conflict, and prompts the user whether to resolve this conflict. If the user answers "Yes" or "Agree", the program will close the handle of that process and, if necessary, even kill that process to resolve this conflict.

To test your program, I will basically create some conflict situations like deleting an opened file manually to check if your program can work well.

Submission:

(1) Source code
(2) Compiled program
    (The test environments will be Windows 7 system, so make sure your program works well on this platform)
(3) Document that reports your implementation, especially the Windows APIs you use.
Package the materials above and email luckyvega@163.com before the deadline.