Description of Program

In this program I was preventing a deadlock with the use of a timer. When Process A requests for resources it grabs all necessary resources and then runs. While A is still running, Process B begins to request resources that are now no longer available. When B requests these resources and fails, instead of a deadlock, a timer is started that tells Process B to wait and try again. The timer counts down and during this time Process A finishes and releases the used resources now making them available for use. When B wakes up and tries again it finds that all necessary resources are available and begins to collect them. Once all are collected B successfully runs and the program is complete.