Santa Clara University

Department of Computer Engineering
Advanced Operating Systems (COEN 383)

Project-1 Preview (4 pts)
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UNIX up and running

The purpose of this quick assignment is to make sure everyone has the same access to Linux development environment within the same group; this is an individual assignment.

1. Be able to have a reliable Linux environment, i.e., easy to be used in a group project environment.

- **Windows**
  Students using Windows can install the VirtualBox virtual machine Manager (VMM) and install the Debian Linux OS in a virtual machine. You can also use another VMM such as VMWare. Another flavor of Linux or UNIX is OK, too, but then you may encounter differences in the APIs or in the system utilities.
- **Mac**

  Students using Mac can also install VirtualBox and Debian like the Window users. An option is to use the built-in BSD UNIX that is the foundation for OS X. You shall need to install the Xcode developer tools, and you may encounter differences from Linux in the APIs or in the system utilities.

2. Compile and run the C program (forktest.c) on a Linux system and to provide a screenshot of the compilation and execution.

   > gcc forktest.c [-o forktest] <cr>
   > forktest <cr>

3. Read the gcc man page

   ➢ man gcc <cr>