CSE325 Process Manager

Assignment #2

Design and Implement a Process Manager

Design document due: Feb 9, 3:00pm
Implementation due: Feb 16, 3:00pm

You are to work in groups of 2 or 3, with names of group members listed on the design document.

Functionality

You are to design a process manager to manage processes within your soon-to-be-developed operating system. You will develop a design document that will consist of at least the following information:

- The high-level state diagram to be implemented
- A description of each possible process state
- The process control block
- Descriptions of all elements of the process control block (what they are and what they are used for)
- Any design decisions you made (including things like queue size, elements of the PCB, etc)

Constraints on your design:
- Single-core system
- **No** system calls are allowed in your implementation of the process manager
- System calls are allowed in the testing interface portion of this assignment

Your design must be approved **before** you perform the implementation. If you turn in your design early, it is likely to be approved early. Designs may not necessarily be approved as submitted and changes may be required.

Assignment Deliverables
1. Design document as defined above
2. Code implementing the design
3. Test set of commands that exercises your code
4. Captured results of your test set
5. Presentation of implementation in lab on due date.