

Memory Manager

- Stack, Heap allocation
- Stack deallocation
- Heap deallocation
- Optimized memory allocation

Process Manager

- Process table
- Process creation
- State transition
- Process termination
- Utility functions to get process specific functions
- Add more states
- Inter-process communication (IPC)

Scheduler

- Clear policy to schedule
- Context switch
- Configurable time quantum
- Implement Aging