**Take Home Assignment 3**

Instructions:

* Choose one of the following topics to prepare an approximately two-page writeup (can be more, not less).
* I would encourage you to search the web extensively to bring insights about the topic.
* It would be in your interest to cite your sources (and their sources) thoroughly. Links to the sources should be provided at the end of the document.
* Please use the word app (accessed through webmail) and use its “references->insert endnote” functionality to cite your sources.
* Submissions should be in docx format (sorry) and need to be uploaded to moodle.
* Single spacing. Content font size 11pt. Try not to use too many lists

1. Please explain the Linux Memory Management (post 2.6) in details. What are memory zones and how do they help?
2. Contrast between Completely Fair Scheduling and O(1) scheduling . Which one would you prefer and why?
3. Explain the Kernel 2.6 Scheduling algorithm. What is the role of sleep\_avg in the scheduling process? Describe the process for updating TimeSlice for a non-real-time process