Mini Project 2
Memory Allocation

I. Inputs :

1- User inputs holes sizes and starting addresses.
2- User inputs number of processes.
3- User inputs processes' size (Ex: p0 size =100, p1 size = 50… etc).
4- User inputs the method of allocation (first fit or best fit or worst fit).

II. Scenario to be done:

1- Allocate all processes using allocation methodology.
2- (BONUS) when there is no place for a process swap out an older process and swap in the new one (u can swap out any previously allocated process according to the allocation methodology : i.e. first fit : u will swap out the first process that will make a fit hole)

III. Output:

Your output is the list of holes and allocated memory blocks (starting addresses and sizes) at each allocation step (Ex: initial state , after P0 allocation, after P1 allocation, after P2 swapped out P1 and is allocated instead of P1, … etc.)

IV. Deliverables

1- Executable
2- Snap shots of your program for the following steps (user input- output after each allocation-GUI options - any additional steps you have (Ex: Error checking).
3- Code files.
4- Simple user manual document.
5- Any notes about your program, Example: if something isn't working correctly.

V. Other Notes:

1- You MUST deliver a Desktop application executable.
2- You MUST provide a GUI Layer.
3- You must deliver your project only once, delivering any late missing parts later will not be considered.
4- Due date : Saturday 9/5/2015, 5:00 PM.
5- Deliver by putting in my mailbox.