

## **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).

#### **II. Scenario to be done:**

- 1- Allocate all processes using allocation methodology.
- 2- De-Allocate a process ( The user choose a process to de-allocate, you should consider its space as a hole to be used later and add to it any neighboring holes)

#### **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- Any notes about your program, Example: if something isn't working correctly or if you added any feature.

#### **V. Other Notes:**

- 1- You MUST deliver a Desktop application executable.
- 2- You MUST provide a GUI Layer.
- 3- Due date : Saturday 28/4/2018, 11:59 PM.

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**Subject: MemoryAssignment**