**State University of New York at New Paltz**

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**OS Lab section: 01 (Tuesday,3:30-6:20)**

**Semester: Fall 2020**

**REPORT for LAB # 10**

Memory Allocation Methods

**“Operating Systems” Fall 2021**

**(Professor Hanh Pham)**

**Lab Instructor: Bindhupriya Thripuraneni**

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## 1.0 Descriptions of Algorithms

### Algorithms

* The FF algorithm will slot processes as soon as it finds a memory slot that fits it
* The BF algorithm will slot a processes based on the smallest amount of free space available in the memory slot after the process is slotted in
* The WF algorithm will slot a process based on the largest amount of free space available in the memory slot after the process is slotted in

## 2.0 Description of implementation

### Progress on implementation

* For now, as per the assignment guidelines for the lab #10 submission I have only implemented:
* The ability to read in data
* Hardcode outputs for each fitting algorithm
* Write these outputs to their data files
* Draft a version of the FF algorithm.

## 3.0 Experiments

Examples

* Since I’m not deep enough into my project I have only run my code with given examples. Further experimentation wouldn’t yield different results.

## 4.0 Conclusions

Work in progress

* For now, my project only meets minimal requirements, however I have set up good groundwork to expand my project. The ability to read and output data as well as my FF algorithm draft will be used in further implementation.

## 5.0 References

Given documents as well as WebEx recordings