Operating Systems

HOST Dispatcher – Practical Marking Schedule
Total Marks: out of 170 -% of Assessment Due Date: Due Date:

Enough process parameters must be provided to be able to easily assess the process/job being started. If not enough information is available, no marks can be assigned

0.	Building program - Party of source code marks (4)				
	No executable or excess files	[/2]		
	Names as specified: ghostd & makefile	[/2]	[/4]
1.	Operation of FCFS Real-Time scheduler (10)				
	1.1 fcfs.txt-staggered arrival (standard file)]	/6]		
	1.2 fcfs1.txt - simultaneous arrival	[/2]		
	1.3 fcfs2.txt-gap in arrival]	/2]	[/10]
2.	Operation of Feedback scheduler in Round Robin mode (10)				
	2.1 rr.txt - staggered arrival (standard file)]	/6]		
	2.2 rrl.txt - simultaneous arrival]	/2]		
	2.3 rr2.txt - gap in arrival	[/2]	[/10]
3.	Operation of Feedback scheduler (10)				
	3.1 feedback.txt - staggered arrival (standard file)]	/6]		
	3.2 feedback1.txt-Feedback depth	[/4]	[/10]
4.	Mixed dispatcher test (no resource limitations)				
	4.1 mixed.txt - Real Time and Feedback mix]	/5]		
	4.2 mixed1.txt – mixed feedback priorities	[/5]	[/10]
5.	Memory tests (memory limitations only)				
	<pre>5.1 memory.txt - algorithm type detection (standard file) [FF] [NF] [BF] [Buddy]</pre>	[/6]		
	5.2 memoryexcept.txt - memory exceptions]	/4]	[/10]
6.	Resource tests (resource limitations only)				
	6.1 resource.txt – test within feedback dispatcher]	/6]		
	6.2 resourcexcept.txt - resource exceptions]	/4]	[/10]
7.	Combined Test				
	7.1 combined.txt - resource exceptions (standard file)			[/10]
Sub-Total:				[/74]

Total:

/170]

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Operating Systems HOST Dispatcher Documentation Marking Schedule

HOST Dispatcher – Documentation Marking School Total Marks: out of 170% of Assessment Due Date:				
• Readability, suitability & maintainability of source code and makefile (26-	+4)			
Student Name & No. on source files & makefile	[/3]		
makefile hdr comment and layout	[/2]		
Code: extensively commented - file hdrs [3], fn hdrs [3], thru code [3]	[/9]		
and well structured: naming [2], fnorder [2], layout [2], structs [2]	[/8]		
and non-monolithic main [2], >1 file [1], .h file [1] (no code in .h)	[/4]		
			[/26]
• Documentation				
Description, discussion and justification of choice of memory allocation alg description: FF, NF, BF, WF, Buddy [10] discussion, comparison, justification of choice (circle) [8]	gori	thms		
FF NF BF WF Buddy match [2] Description and discussion of the structures used by the dispatcher queues generic/specific [1] process queues & structure [1] memory arena & structure (single/double link) [2]	[/20]		
resources [1] Description and justification of the program structure and individual modul pseudo code + diagram /flow chart [5] discussion and justification [4]	[es	/ 5]		
individual. modules w. descript / in / out / error [6] Discussion of dispatching scheme, shortcomings, and possible improvement discussion of RT and Feedback dispatching [5] resource pre-knowledge vs deadlock [5] memory segment/paging schemes [5] comparison with UNIX/NT [5] testing [2]	[nts	/15]		
]	/30]	[/70]
Sub-Total:			[/96]
Sub-Total from functionality tests:			[/74]