

**Student name:** Shridhar Thorat: n10817239

**Total:** 88.3% 26.49%

**ADT Implementation (38%) (38)**

**Technical Report (62%) (50.3)**

**Algorithm design 18 (3 algorithms; 6% each) – (16.5)**

- First-Come, First-Served (FCFS) – 5.5
- Shortest Job First (SJF) - 5.5
- Priority – 5.5

Should call `ToArray()` method to copy the array. -> `A=Jobs.ToArray()`

**Algorithm analysis 18 (3 algorithms; 6% each) – (18)**

- First-Come, First-Served (FCFS) - 6
- Shortest Job First (SJF) – 6
- Priority – 6

**Software test plan and test results 24 (12 methods; 2% each (13.8)**

Method	Feedback	Grade
Job.IsValidId	Missed the normal valid and normal invalid case. What's the point of testing eg; if 2 works if we know ID is greater than one? What's the point of testing 1001 if we know 1000 is invalid?	1
Job.IsValidExecutionTime	Missed normal valid case	1
Job.IsValidPriority	Missed normal valid and invalid case	1
Job.IsTimeReceived	Missed normal valid case	1
JobCollection.Add	Did not check edge cases where the array contains only one element	2
JobCollection.Contains	Did not check edge cases where the array is empty, or contains only one element	0.8
JobCollection.Find	Did not check edge cases where the array is empty, or contains only one element	0.8
JobCollection.Remove	Did not check edge cases where the array is empty, or contains only one element	0.8
JobCollection.ToArray	Checked only for multiple job case	0.5
Scheduler.FirstComeFirstServed	Did not check edge cases where scheduler contained no jobs	1.5
Scheduler.Priority	Did not check edge cases where scheduler contained no jobs	1.5
Scheduler.ShortestJobFirst	Did not check edge cases where scheduler contained no jobs	1.5
<b><u>Total</u></b>		<b><u>13.4</u></b>

**Presentation 2% (2)**