**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.IsValidPrioity | 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 |
| **Total** | | **13.4** |

**Presentation 2% (2)**