**503040 - Rubric for evaluation of final report**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No | Requirement | CLO | <25%  (0 point) | <50%  (0.25 point) | <75%  (0.5 point) | <100%  (0.75 point) | 100%  (1 point) | Score |
| 1 | Format | 3 | illogic | unclear | clear | logic | complete | 2 |
| 2 | Define the problem (input, output in terms of Java data structures) | 4 | Absent | unclear | clear | logic | complete | 0.5 |
| 3 | Java representation (generic programming) of the algorithms to solve the problem without importing external libraries | 4 | Absent |  | incomplete |  | complete | 3 |
| 4 | Analyze the asymptotic complexity of your solutions (strictly following the plans for analysis. The simple answers are not enough) | 5 | Absent |  | Satisfactory, containing major errors | Minor errors | Complete | 2 |
| 5 | Write programs to generate input datasets | 3 | Absent |  | Satisfactory, containing major errors | Minor errors | Complete | 0.5 |
| 6 | Experiment your programs with the generated input datasets. | 5 | Absent | unclear | clear | logic | Complete | 0.5 |
| 7 | Draw the theoretical complexity function and the actual running time as the function of input size. The graphics must have a similar pattern.  Make conclusions based on experiment results. | 5 | Absent |  | Correct graphics without conclusion | Correct graphics with unclear conclusion | complete | 0.5 |
| 8 | Question-Answering Session | 3,4,5 | Absent | unclear | clear | logic | Complete | 1 |
|  | Overall | 3,4,5 |  |  |  |  |  | 10 |

**Note:** If the Programs are not satisfactory, then the final report will not be evaluated