cs512 Assignment 1: sample report

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Abstract

This is a sample report for assignments in cs512. The report should be at least 4–6 pages long. It should contain description of the problem you are trying to solve, the algorithm you employed to solve the problem, and the results obtained. The results should be analyzed for correctness. The performance of the algorithm should be evaluated and discussed. Note that answers to review questions should be submitted separately.

1 Problem statement

- Describe the problem you are trying to solve, and its importance.

2 Proposed solution

- Provide a description of the algorithm you are implementing. Use references as needed.

3 Implementation details

- Describe program design issues.
- Describe problems you faced and how you solved them.
- Provide instructions for using your program (if such were not given in the assignment specification or if you added additional functionality).

4 Results and discussion

- Show and discuss results you obtained (e.g. images, graphs, tables). The content of each result should be clearly described. Parameters used for producing each result should be clearly specified. The meaning of each result should be clearly stated. Do not include results without a meaning.
- Provide demonstration of the correctness of the implementation (possibly using synthetic data).
- Evaluate the performance of the implemented algorithm. Describe its strength and weaknesses. Use synthetically generated data if necessary.
- Evaluate the effect of various parameters on the obtained results.

5   References

- Cite any references you used (e.g. papers, books, weblinks).