The gist of Project 2 is designing an algorithm to solve the problem and implement / realize the algorithm. So you could form the report for Project 2 in this recommended way:

1. Briefly describe the problem.
2. Analyze the problem and give the algorithm to solve the problem. This algorithm should be based on Divide & Conquer. It is the most important part for this Project, please provide a solution with your detailed and well developed explanations and analysis.
3. Introduce your program and describe how it implements the algorithm and solves the problem. Please do not copy all your codes on the report, but you could write some core codes with detailed annotations to help you to illustrate your program.
4. As a way to analyze your program/algorithm, please state the input and output of your program. And, you need to get numerical results for different input sizes.
5. Briefly analyze the time complexity of your algorithm, if possible, comparing with other algorithm (such as Divide & Conquer vs. Brute Force).

Grade Criterion:

(2): 4 points.

(3): 2 points

(4): 2 points

(1) & (5): 2 points