# REQUIREMENTS DOCUMENT

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| **Date Submitted:** | 2/11/19 |
| **Application Title:** | Hickman\_exam1 |
| **Purpose:** | To analyze the provided employee salaries text file and display the lowest salary, highest salary, the total of all salaries, and the average of the salaries. |
| **Program Procedures:** | 1. Program will open the EmployeeSalaries.txt file for reading. 2. Program will turn the txt file into a list. 3. Program will then output the lowest and highest listed salaries, will total the salaries, and will provide the average of all of the salaries. 4. Program will end. |
| **Algorithms, Processing, and Conditions:** | 1. Open the EmployeeSalaries.txt file for reading. 2. Transfer the txt file into the employeeSalaries[] list. 3. Use an accumulator to find the sumTotal of the salaries in the employeeSalaries[] list. 4. Use a counter to find the total number of elements in the list. 5. Find the average by dividing the sumTotal by the count. 6. Use the min and max functions to find the lowest and highest salaries. 7. Print the lowest and highest salaries, the sumTotal, and the average. |
| **Notes and Restrictions:** | Program must include at least one user defined function. main() will be said function. |
| **Comments:** | n/a |