

## CS135 Project 1 Rubric (2020)

<i>Criteria</i>	<i>Pts</i>
<u>Meets the Program Requirements:</u>	40
Zipped as file: <i>Proj1.zip</i>	
Main folder: <i>Proj1</i>	
Project folder: <i>Calculator</i>	
Required files: <i>Calculator.exe</i>	
<i>Calculator.cpp</i>	
MS Word file: <i>screenshots.docx</i>	
At least 10 screen shots with description	
Correct file comment header	
Correct function comment headers	
Programmer name / time stamps	
Follows the instructions	
In-class presentation	
Compiled and runs correctly	
Runs by double-clicking	
Pauses at end	
 <u>Coding and Design:</u>	30
Correct code	
Proper indentation and readability	
Modular design	
Separate function for each math operation	
main() functions only as a driver	
Two menus	
Formatted with stream manipulators	
Algebraic style of presentation	
Function recursion not used	
 <u>Mathematical operations:</u>	40
1. Addition	
2. Integer vs. floating-point operation	
3. Subtraction	
4. Multiplication	
5. Division with Integers	
6. Division with floating-point	
7. Catches Division by zero	
 8. Powers: Square	
9. Powers: Cube	
10. Powers: Raise to any power	
11. Square root	
12. Square root of negative number handled	
14. Cube root	
15. Cube root of negative number handled	
16. Take any root	
 <i>Total</i>	<i>110</i>