**Project Requirement**

Group 2:

John Abueg, William Rios Crespo, Joshua Kerley, Michael Lancaster

CMSC 495 63802

**Author Note:**

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**Revision History**

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| --- | --- | --- | --- |
| Revision Number | Date | Editor | Description |
| 1.0 | 08/28/2018 | Michael Lancaster | Creation of original document. |
| 2.0 | 08/29/2018 | Michael Lancaster | Added more requirements, updated topic description |
| 3.0 | 08/29/2018 | John Abueg, Josh Kerley | Review |
| 4.0 | 09/02/2018 | John, William, Josh, Michael | Revise document for submission |
| 5.0 | 09/09/2018 | Michael | Addition of requirement #9 |

# PROJECT REQUIREMENT

**Topic**

This project is a grade calculator that calculates a total score for a class based on grade and weighted average supplied by the user.

# Requirement

List your project functional requirements here to define the functionalities and the scope of your project.

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| --- | --- |
| **Requirement** | **Description** |
| 1 | This system shall accept assignment names, weight, and grade. |
| 2 | This system shall save accepted inputs. |
| 3 | This system shall load saved data. |
| 4 | This system shall calculate grade based off of data. |
| 5 | This system shall NOT accept letter grades. |
| 6 | This system shall NOT accept invalid inputs such as special characters. |
| 7 | This system shall display maximum, minimum, mean, median, and standard deviation scores. |
| 8 | This system shall contain a ‘what if’ scenario option to calculate hypothetical grades. |
| 9 | This system shall provide a graphics user interface for the ease of use for the user. |