

Interface Control Document

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Author Note:

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Version Control

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| ICD001.2 | 2018-09-23 | Revised | Michael Lancaster | lancaftermc@gmail.com |
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| ICD003 | 2018-10-11 | Revised | Josh Kerley | jkillakerlz@gmail.com |
| ICD004 | 2018-10-12 | Revised and Reviewed | William Rios Crespo John Abueg Michael Lancaster | lancaftermc@gmail.com j.abueg13@gmail.com william.rioscrespo19@gmail.com |

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Data between GUI and Calculator subsystem:

| Name | Type | Value Range | Default Value |
|----------------------|-------------------|---|---------------|
| Assignment_Name_List | ArrayList<String> | Any combination of letters and numbers (20 character max) | “null” |

| Name | Type | Value Range | Default Value |
|-------|--------|-------------|---------------|
| Grade | Double | 0-100 | 0 |

| Name | Type | Value Range | Default Value |
|--------|--------|-------------|---------------|
| Weight | Double | 1-100 | 1 |

Data between Input Subsystem and GUI subsystem:

| Name | Type | Value Range | Default Value |
|----------------------|-------------------|---|---------------|
| Assignment_Name_List | ArrayList<String> | Any combination of letters and numbers (20 character max) | “null” |

| Name | Type | Value Range | Default Value |
|------------|-------------------|-------------|---------------|
| Grade_List | ArrayList<Double> | 0-100 | 0 |

| Name | Type | Value Range | Default Value |
|------|------|-------------|---------------|
|------|------|-------------|---------------|

| | | | |
|--------------------|--------------------------------|--------------|----------|
| Weight_List | ArrayList<Double> | 1-100 | 1 |
|--------------------|--------------------------------|--------------|----------|

Data between GUI and Output File subsystem:

| Name | Type | Value Range | Default Value |
|-----------------------------|--------------------------------|--|----------------------|
| Assignment_Name_List | ArrayList<String> | Any combination of letters and numbers (20 character max) | “null” |

| Name | Type | Value Range | Default Value |
|-------------------|--------------------------------|--------------------|----------------------|
| Grade_List | ArrayList<Double> | 0-100 | 0 |

| Name | Type | Value Range | Default Value |
|--------------------|--------------------------------|--------------------|----------------------|
| Weight_List | ArrayList<Double> | 1-100 | 1 |