# Student Grade Calculator – Documentation *Version 2.0*

A picture containing text, screenshot, indoor, computer

Description automatically generated

***Student Grade Calculator is a simple java application designed to calculate the final grade for each student based on the scores received for each group of assessments.***

***This Documentation is to assist in using the application.***

# GUI: Adding a Student and Their Grades:

First, we need to enter a **Student Name**; Two required fields; First Name and Last Name

Diagram

Description automatically generated

Now we can enter the student's marks for each group of assessments:

Diagram

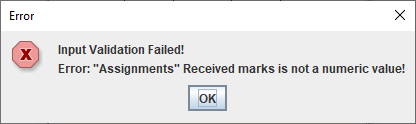
Description automatically generated with medium confidence

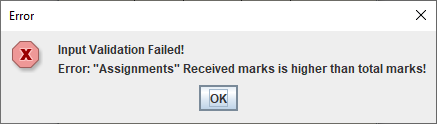
When all Data has been entered, selected the "Calculate Button."

Diagram

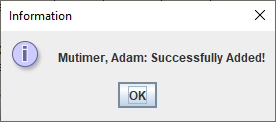
Description automatically generated

***If incorrect information put into these fields, Validation Errors will be presented an error message, that should assist in resolving the issue:***





***If valid information is provided, the user will be presented with a message similar to this:***



The Students grades will now appear in the "Results" Window:

Table

Description automatically generated

The user may now continue to enter more Students into the Main Window Form as it has reset, awaiting new input:

Diagram

Description automatically generated with medium confidence

# GUI: Modify a Student and Their Grades:

On the "Results" window, select the row containing the student you wish to modify:

Table

Description automatically generated

Then Select the "Modify Row" button:

Table

Description automatically generated

The "Main" application window will now show the students information, and the student will no longer be in the "Results" window:

Graphical user interface, table

Description automatically generated

Now the user may edit the information, as usual, then select the Calculate button; as expected, the Students details will then be updated and displayed on the student table.

Table

Description automatically generated

# GUI: Delete a Student and Their Grades:

Select the student on the "Results" window:

Graphical user interface, table

Description automatically generated

Followed by the "Delete Row" Button:

Table

Description automatically generated

The student has now been deleted.Table

Description automatically generated

# GUI: Delete all Student and Their Grades:

To delete all Students, on the "Results" Window select the "Empty Table" button:

Table

Description automatically generated

All Student information will now be deleted:

Graphical user interface, text, application

Description automatically generated

# GUI: Import CSV:

To Import a CSV, Select the "Import CSV" button

Graphical user interface, text, application

Description automatically generated

A dialogue window will then open:

Graphical user interface, text, application, email

Description automatically generated

Navigate to the file you wish to import and select "Open":

Graphical user interface, text, application, email

Description automatically generated

The CSV will then be imported, and data will be displayed on Student Table:

Table

Description automatically generated

# GUI: Export CSV:

To export the Student Data: select the "Export CSV" button:

Table

Description automatically generated

A dialogue window will then open:

Graphical user interface, text, application, email

Description automatically generated

Navigate to the location you wish to save the CSV file, and enter a filename, then click "Open":

Graphical user interface, text, application, email

Description automatically generated

The CSV file will now be created:

Graphical user interface, text, application, email

Description automatically generated