

Student Grade Calculator – Documentation

The screenshot displays the 'Student Grade Calculator' application window. The main form is titled 'STUDENT GRADE CALCULATOR' and contains the following fields and buttons:

- Student Name:** A text box containing 'Smith, Jane'.
- Tutorial effort submissions:** A section with 'Received' (0) and 'out of' (35) marks.
- Assignments:** A section with 'Received' (0) and 'out of' (35) marks.
- Exam:** A section with 'Received' (0) and 'out of' (35) marks.
- Buttons:** 'Calculate' (green) and 'Reset' (red).
- Grading Table:** A table with 3 columns: Grade, Grade Name, and Mark Range (%).

Below the main form, there are three buttons: 'Modify Row', 'Delete Row', and 'Empty Row'. The background shows two other windows: 'Student Grade Calculator - Results' and 'Student Grade Calculator - Overall Mark'.

Grade	Grade Name	Mark Range (%)
HD	High Distinction	80 - 100
DI	Distinction	70 - 79
CR	Credit	60 - 69
PA	Pass	50 - 59
NN	Fail	0 - 49

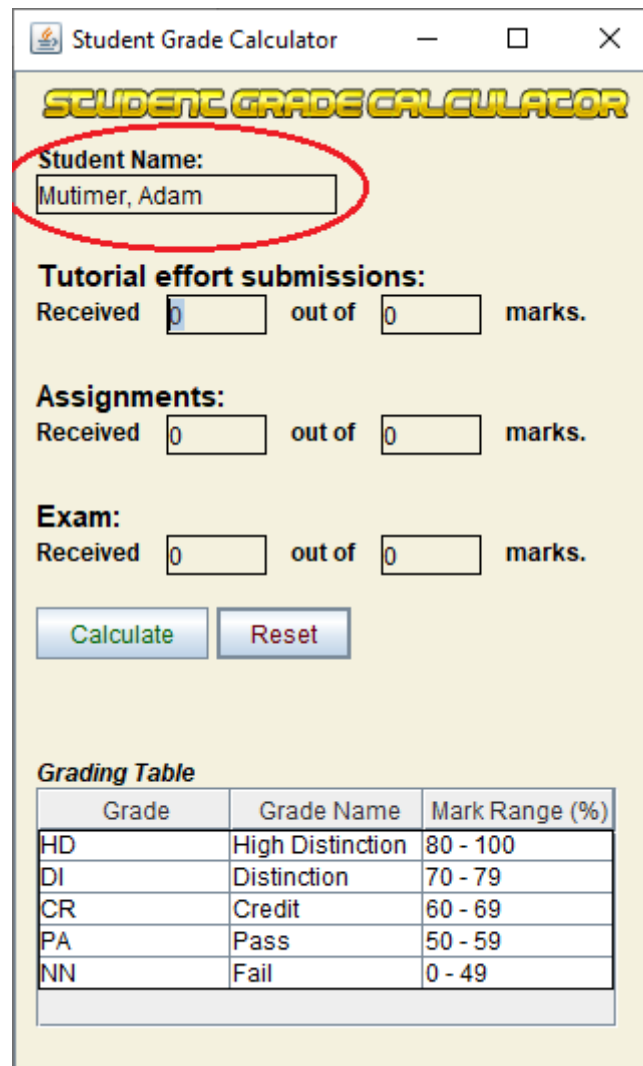
Student Grade Calculator is a simple java application, designed to calculate the final grade for each Student based on the scores received for each group of assessments.

This Documentation is to assist in using the application.

Adding a Student and Their Grades:

First, we need to enter a **Student Name**; Student Name can be any combination the user desires;

- FIRSTNAME, LASTNAME
- LASTNAME, FIRSTNAME
- LASTNAME, INITIAL, FIRSTNAME
- ETC



The screenshot shows a window titled "Student Grade Calculator". Inside, the title "STUDENT GRADE CALCULATOR" is displayed in a stylized yellow font. Below it, the "Student Name:" label is followed by a text input field containing "Mutimer, Adam", which is circled in red. Further down, there are three sections for marking: "Tutorial effort submissions:", "Assignments:", and "Exam:". Each section has a "Received" input field (all containing "0"), an "out of" label, another input field (all containing "0"), and the word "marks.". At the bottom of these sections are two buttons: "Calculate" (green) and "Reset" (blue). Below the buttons is a "Grading Table" with three columns: "Grade", "Grade Name", and "Mark Range (%)". The table contains five rows of data.

Grade	Grade Name	Mark Range (%)
HD	High Distinction	80 - 100
DI	Distinction	70 - 79
CR	Credit	60 - 69
PA	Pass	50 - 59
NN	Fail	0 - 49

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

Student Grade Calculator

STUDENT GRADE CALCULATOR

Student Name:

Tutorial effort submissions:
Received out of marks.

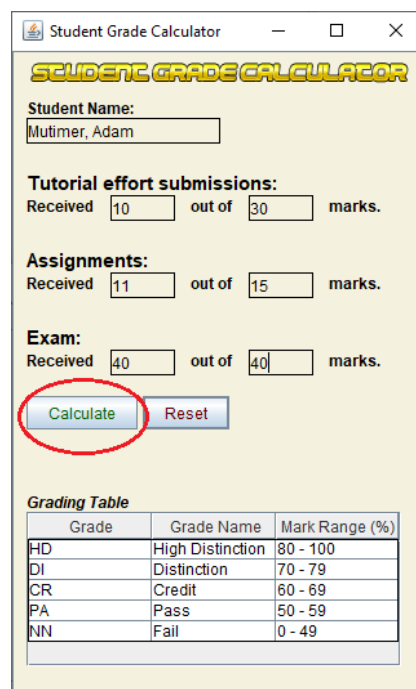
Assignments:
Received out of marks.

Exam:
Received out of marks.

Grading Table

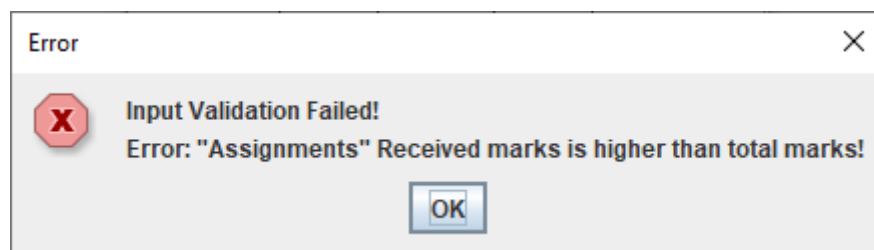
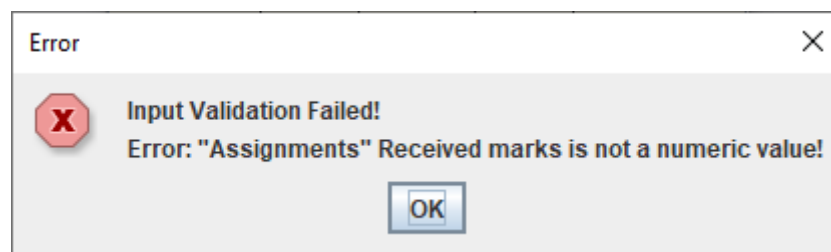
Grade	Grade Name	Mark Range (%)
HD	High Distinction	80 - 100
DI	Distinction	70 - 79
CR	Credit	60 - 69
PA	Pass	50 - 59
NN	Fail	0 - 49

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

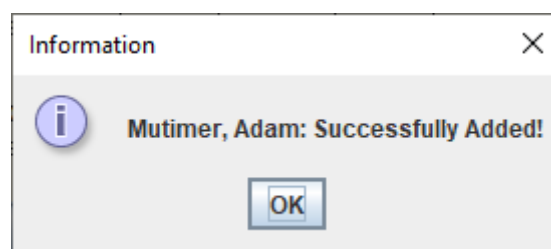


Grade	Grade Name	Mark Range (%)
HD	High Distinction	80 - 100
DI	Distinction	70 - 79
CR	Credit	60 - 69
PA	Pass	50 - 59
NN	Fail	0 - 49


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:

 Student Grade Calculator - Results


Student	Tutorial effort submission...	Assignments	Exam	Overall Mark	GRADE
Mutimer, Adam	33.33333333333333	100.0	100.0	76.47058823529412	DI

Modify Row

Delete Row

Empty Table

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


Student Grade Calculator

STUDENT GRADE CALCULATOR

Student Name:

Tutorial effort submissions:

Received out of marks.

Assignments:

Received out of marks.

Exam:

Received out of marks.

Calculate

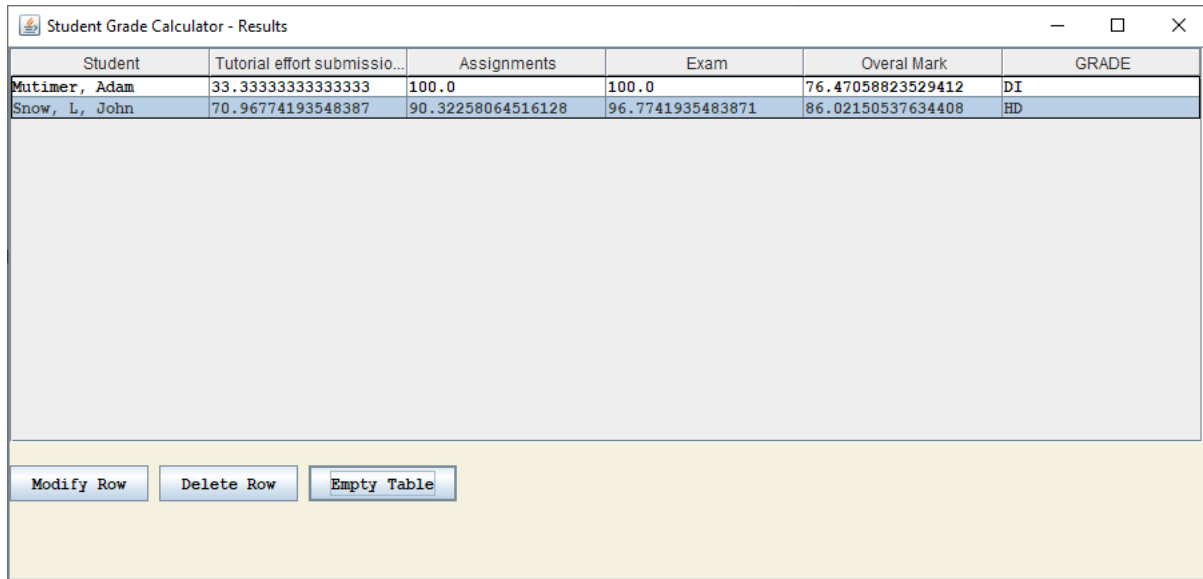
Reset

Grading Table

Grade	Grade Name	Mark Range (%)
HD	High Distinction	80 - 100
DI	Distinction	70 - 79
CR	Credit	60 - 69
PA	Pass	50 - 59
NN	Fail	0 - 49

Modify a Student and Their Grades:

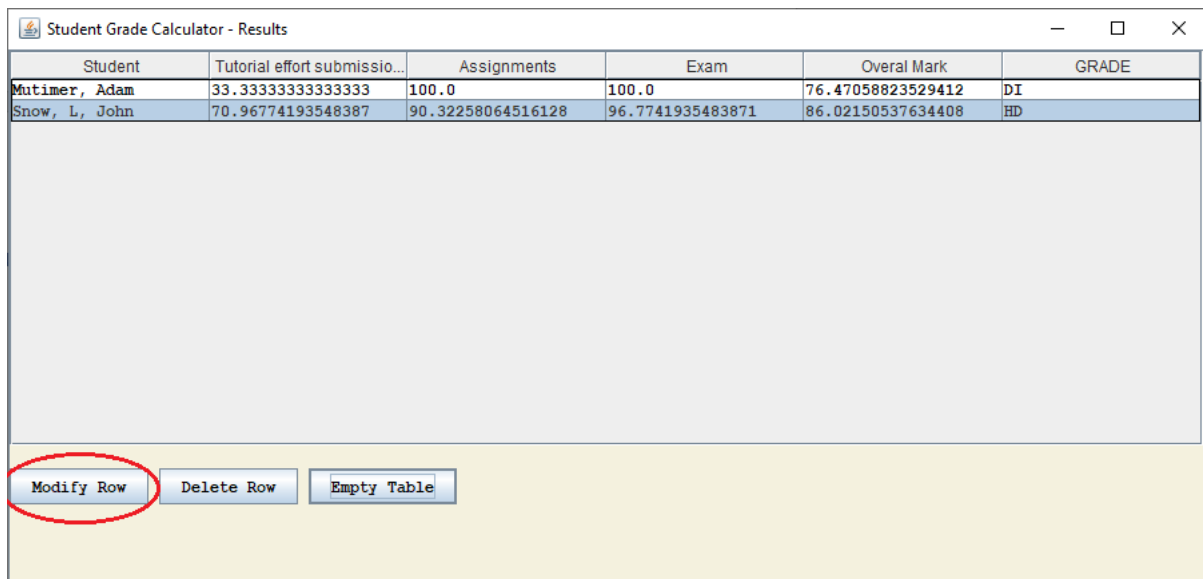
On the "Results" window, select the row containing the Student you wish to modify:



Student	Tutorial effort submission...	Assignments	Exam	Overall Mark	GRADE
Mutimer, Adam	33.33333333333333	100.0	100.0	76.47058823529412	DI
Snow, L, John	70.96774193548387	90.32258064516128	96.7741935483871	86.02150537634408	HD

Modify Row Delete Row Empty Table

Then Select "Modify Row" button:



Student	Tutorial effort submission...	Assignments	Exam	Overall Mark	GRADE
Mutimer, Adam	33.33333333333333	100.0	100.0	76.47058823529412	DI
Snow, L, John	70.96774193548387	90.32258064516128	96.7741935483871	86.02150537634408	HD

Modify Row Delete Row Empty Table

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

Student Grade Calculator - Results

Student	Tutorial effort submissio...	Assignments	Exam
Mutimer, Adam	33.33333333333333	100.0	100.0

Modify RowDelete RowEmpty Table

Student Grade Calculator

STUDENT GRADE CALCULATOR

Student Name:

Snow, L, John

Tutorial effort submissions:

Received

22

out of

31

marks.

Assignments:

Received

28

out of

31

marks.

Exam:

Received

30

out of

31

marks.

Calculate

Reset

Grading Table

Grade	Grade Name	Mark Range (%)
HD	High Distinction	80 - 100
DI	Distinction	70 - 79
CR	Credit	60 - 69
PA	Pass	50 - 59
NN	Fail	0 - 49

Now the user may edit the information, as usual, then when completed, select the Calculate button as normal, and the Student will be added to the results table

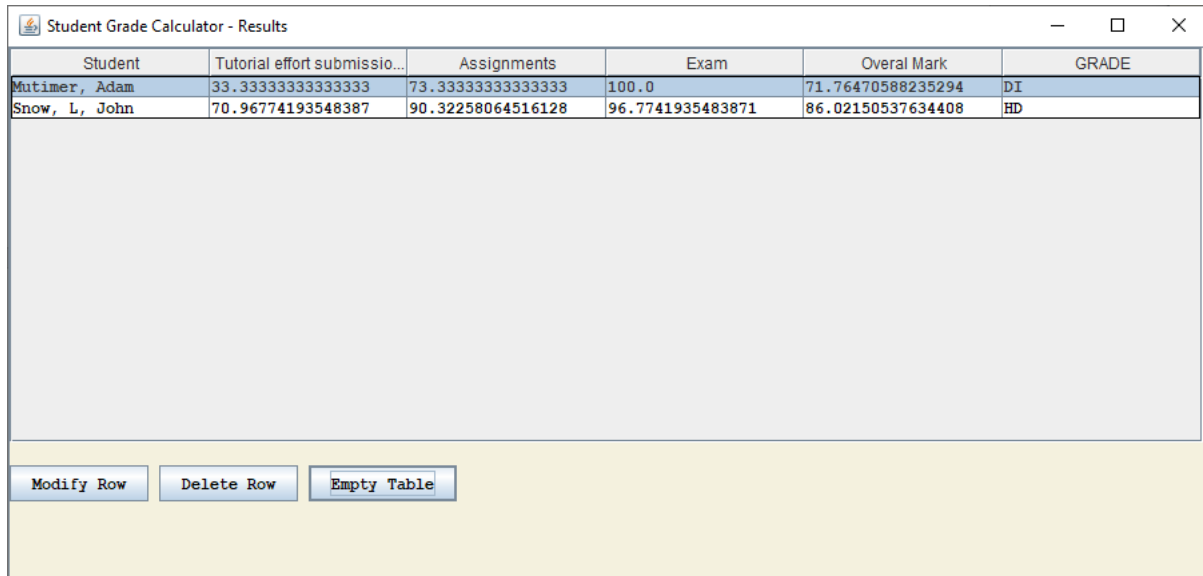
Student Grade Calculator - Results

Student	Tutorial effort submissio...	Assignments	Exam	Overall Mark	GRADE
Mutimer, Adam	33.33333333333333	73.33333333333333	100.0	71.76470588235294	DI
Snow, L, John	70.96774193548387	90.32258064516128	96.7741935483871	86.02150537634408	HD

Modify RowDelete RowEmpty Table

Delete a Student and Their Grades:

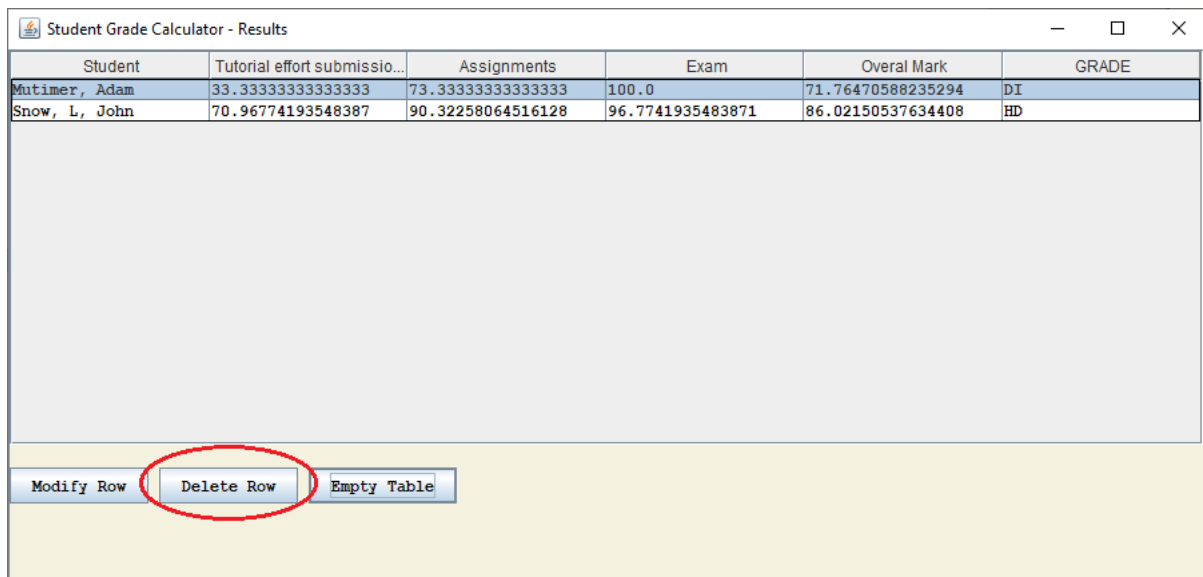
Select the Student on the "Results" window:



Student	Tutorial effort submission...	Assignments	Exam	Overall Mark	GRADE
Mutimer, Adam	33.33333333333333	73.33333333333333	100.0	71.76470588235294	DI
Snow, L, John	70.96774193548387	90.32258064516128	96.7741935483871	86.02150537634408	HD

Modify Row Delete Row Empty Table

Followed by the "Delete Row" Button:

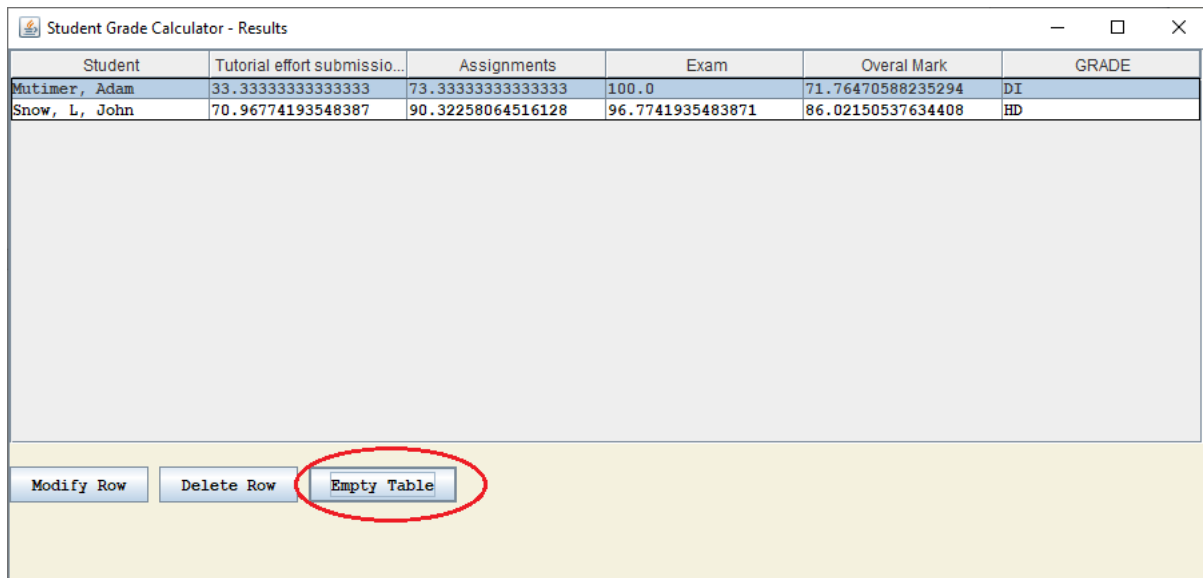


Student	Tutorial effort submission...	Assignments	Exam	Overall Mark	GRADE
Mutimer, Adam	33.33333333333333	73.33333333333333	100.0	71.76470588235294	DI
Snow, L, John	70.96774193548387	90.32258064516128	96.7741935483871	86.02150537634408	HD

Modify Row Delete Row Empty Table

Delete all Student and Their Grades:

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



All Student information will now be deleted:

