# Application Overview

The purpose of this document is to show the steps on running the student marking application.

In the Excel file “tidd9161\_a05” under the custom ribbon “Student Marking” when the button “Student Marking” is clicked the application runs. What the button looks like is shown below.

A screen shot of a computer

Description automatically generated

The application can also be ran through the button on the “Introduction” sheet.

The purpose of the application is to analyze data from a database storing student grades.

The user form below shows up and you’ll notice that there are 3 pages available, but you can only access the first page. This is where you get the option to import a file, specifically “Registrar.mbd” using a FileOpen dialog to choose from your computer. In order to move on to the next page, you must open a file and it has to be an .mbd file.

A screenshot of a computer

Description automatically generated

Once you open a file you’re able to move to the second page where you are given options of the application. The 3 options available are: List Courses, Course Enrollment and Generate Report. List Courses populates the list box on the right with the available courses when you press “OK”. In order to run the Course Enrollment option, you must select a course from the list box. If you don’t a message will pop up warning you to select a course or populate the list box if you haven’t already.

A screenshot of a computer

Description automatically generated

Once you press a course and select Course Enrollment, a new sheet is added with the name of your course and “Enrollment.” Here is what the sheet may look like:

A table with text on it

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The final option is Generate Report. This option creates a sheet with the following data: student grades for assignments in a selected course (with student ID omitted for privacy), a table including minimum, maximum, mean, median, mode and standard deviation values for each assignment, the class average grade and standard deviation, a table including grade frequencies for the chosen assignment and a histogram demonstrating these frequencies. When you click generate report, you are taken to the last tab of the User Form which is seen below. You must select both an assignment and course before generating a report. Finally, a word document is created with the same values from the report worksheet. Below is what the form looks like, a sample sheet and a sample Word Document.

**User Form Example**

A screenshot of a computer program

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**Sample Worksheet Output**

A screenshot of a spreadsheet

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**Pages 1-4 of (your course)\_report.docx**

A screenshot of a document

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A screenshot of a calendar

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