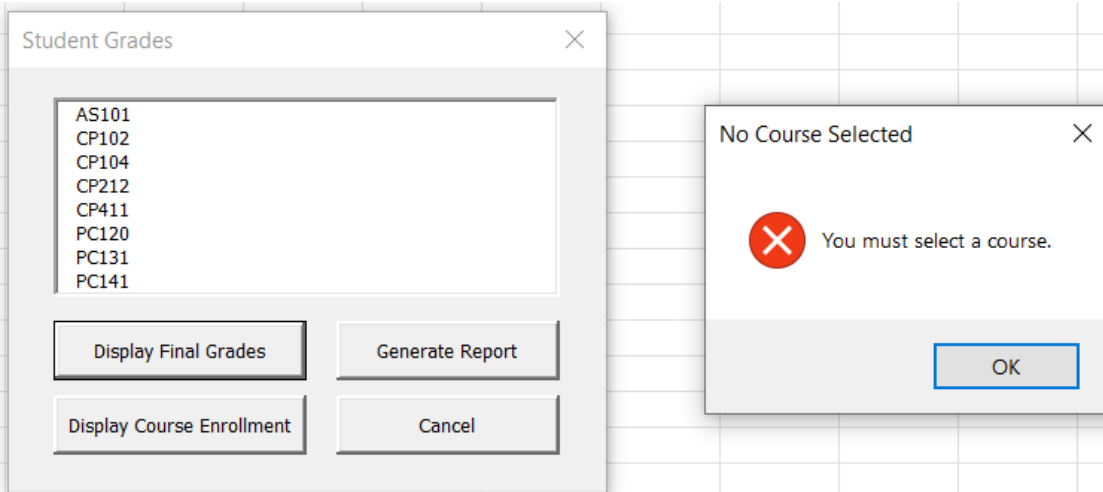


## External Documentation

**Warning:** Some problems seem to have arisen upon submitting the assignment through the drop box. Make sure to first unzip the folder. For the Ribbon Customization to appear, you must select Enable Editing upon opening the document. Of course, you must also enable macros in the workbook. Finally, when running the application, the file explorer may show that the application is in the temp folder in the C drive, resulting in the database to not appear. To combat this, move the folder to someplace else like the desktop or documents folder. To conclude, the best method of running this application is to move the folder outside the downloads folder, such as the desktop. Then, extract the folder. Go to the extracted folder, and select the Excel application.

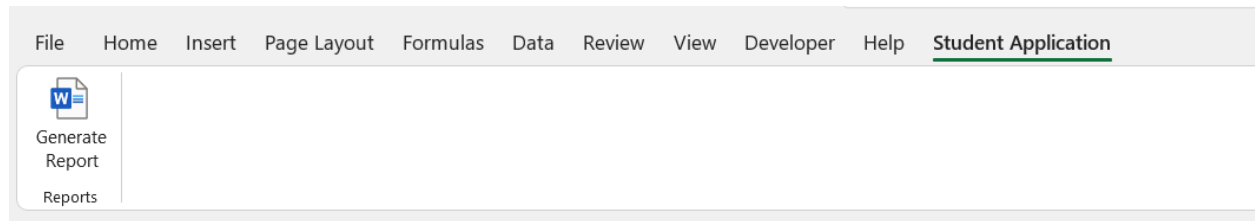
The student marking application is a VBA application that reads information from a database, produces a chart using Excel, and creates a report in Word. Upon opening the excel file, you will be greeted with similar instructions to what will about to be stated. Once the “Run Application” button is clicked, the file explorer will be opened. You must select the “registrar” database, which is also stated in the user instructions in the Excel file. You will continually be greeted with the same file explorer until you select the correct file. Once the registrar file is selected, you will be presented with a user form listing all courses. If you do not select a course and select one of the command buttons, you will be greeted a critical message box stating you must select a course until you do so.



Once a course is selected, you may now either select the “Display Course Enrollment”, or “Display Final Grades” command buttons. For the Display Course Enrollment button: You will be brought to a sheet labeled “Courses” which display the first and last names of all the students enrolled in the selected courses, along with their student ID. While for the Display Final Grades command button: you will be brought to a sheet labelled “chart” which contains all the student’s grades on all the assignment and exams; along with their final marks. The same worksheet also displays class statistics, such as the minimum mark achieved, maximum mark achieved, standard deviation, class average, mode and median. Finally, the worksheet also comes along with a histogram of student grades ranges on the horizontal-axis and the number of students who are within that range on the vertical-axis.

There are two ways the generate a report. The “Generate Report” button on the user form can be selected. Or the user form can be exited and you can proceed to the “Student Application” tab on the ribbon. If there is the generated data on the Chart worksheet (after selecting the display final grades button), the report will be generated. There is only one group on the Student Application tab that contains only one button, “Generate Report”. Upon clicking the generate report button, a word document will appear and already be save to the application’s file location.

The report contains a title indicating the class, the histogram, and all the data which was presented on the Chart sheet.



This concludes the documentation of purpose of the Student Marking Application.