

Student Database Application User Manual

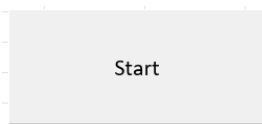
Description

This application serves as a one stop interface for various features such as viewing grades, specific assignment grades, class average grades, student lists, and course averages.

The application requires a connection to Registrar.mdb for proper use and function. It will not run without it.

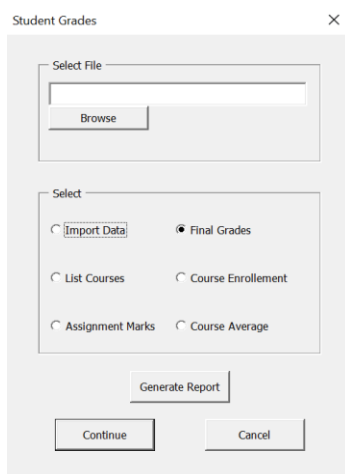
Start

To Start, Click the "Start" button. There will be many options to choose from. From here, choose the Registrar.mdb file and click open.



Dashboard

The following UserForm should appear:

A screenshot of a Windows-style application window titled "Student Grades" with a close button (X) in the top right corner. The window contains a "Select File" section with a text box and a "Browse" button. Below this is a "Select" section with six radio button options: "Import Data", "Final Grades", "List Courses", "Course Enrollment", "Assignment Marks", and "Course Average". The "Final Grades" option is selected. At the bottom of the "Select" section is a "Generate Report" button. At the very bottom of the window are two buttons: "Continue" and "Cancel".

Click on any of the six option buttons and then click continue.

Import Data

By clicking, Import Data, it will import three tables from the database on to three different sheets. Grades, Courses, and Students are the three different tables.

Data on Courses	Data on Grades	Data on Students
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Data on Students		
First Name	Last Name	Student ID
Syrena	Endivain	2015_1
Kahar	Donos	2015_10
Zae	Kaiser	2015_11
Koro	Magre	2015_12
Lenders	Turon	2015_13
Mala	Varless	2015_14
Jag	Nafeel	2015_15
Innoruuk	Finn	2015_16
Keever	Phrog	2015_17
Kaarl	Nooram	2015_18
Tomas	Pescer	2015_19
Irizon	Exibil	2015_2
Allen	Bernard	2015_20
Strilath	Mnaa	2015_21
Tomra	Yavoog	2015_22
Adoniram	Vadith	2015_23

Screenshot from 'Data on Students'

List Courses

By clicking, List Courses, it will create a new sheet and will give you a list of courses and their course code.

Course List

A	B
Course List	
Course Name	Course Code
Astronomy I	AS101
Information Processing	CP102
Introduction to Programming	CP104
Windows Application Programming	CP212
Computer Graphics	CP411
Digital Electronics	PC120
Mechanics	PC131
Mechanics for Life Sciences	PC141

Screenshot from 'Course List'

Assignment Marks

By clicking, Assignment Marks, it will give you a list of students and their marks for a given assignment/midterm/exam, in a given course. This UserForm will pop up to take the user's input.

Assignment Marks

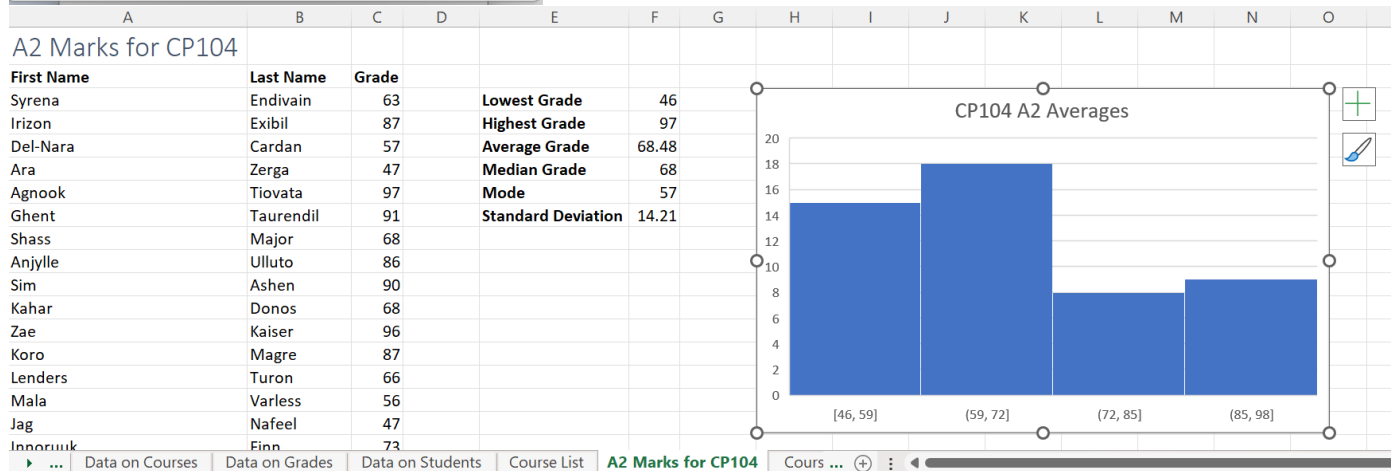
Select Course

☐ CP102
☐ PC120
☒ CP104
☐ PC131
☐ CP212
☐ PC141
☐ AS101
☐ CP411

Select Assignment

☐ A1
☒ A2
☐ A3
☐ A4
☐ Midterm
☐ Exam

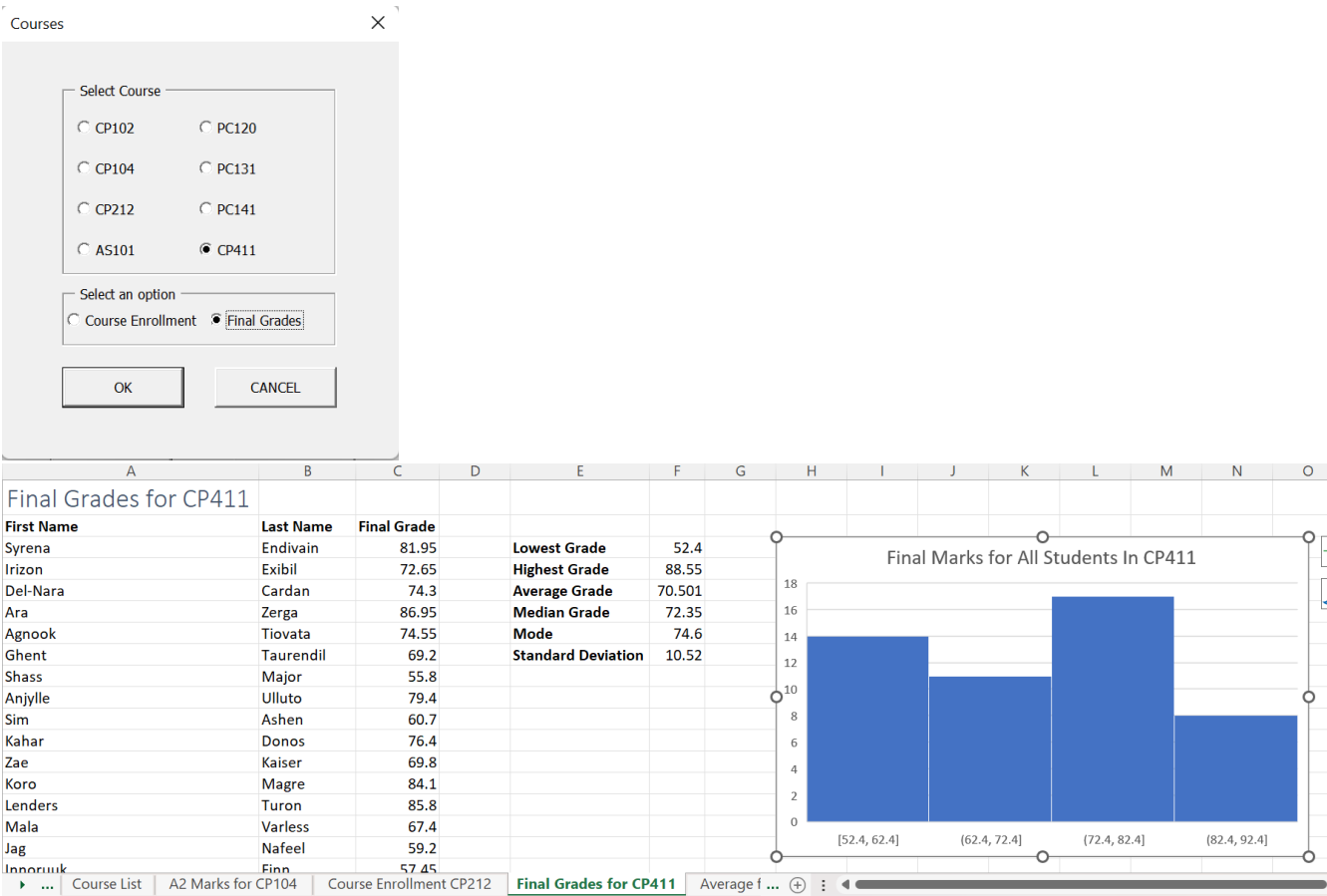
OK
CANCEL



Sample output

Final Grades

By clicking, Final Grades, it will give you a list of students and their final grade based on the average of 8 different courses. This UserForm will pop up. Be sure to specify which course you would like to see final grades for. **Make sure to click the Final Grades option again.**



Sample output

Course Enrollment

By clicking, Couse Enrollment, it will give you a class list of students for a given course. This UserForm will pop up. Be sure to specify which course you would like to see the student list for. **Make sure to click the Course Enrollment option again.**

Sample output

A	B	C	D
Course Enrollment CP212			
First Name	Last Name		
Syrena	Endivain		
Irizon	Exibil		
Del-Nara	Cardan		
Ara	Zerga		
Agnook	Tiovata		
Ghent	Taurendil		
Shass	Major		
Anjylle	Ulluto		
Sim	Ashen		
Kahar	Donos		
Zae	Kaiser		
Koro	Magre		
Lenders	Turon		
Mala	Varless		
Jag	Nafeel		
Innorruuk	Finn		
► ...	Course List	A2 Marks for CP104	Course Enrollment CP212

Course Average

By clicking, Course Average, it will give you the class averages for each course.

A	B
Average for All Courses	
Course Name	Course Average
AS101	74.106
CP102	71.339
CP104	69.986
CP212	73.492
CP411	70.501
PC120	69.779
PC131	71.511
PC141	71.236

Sample output

Generate Report

By clicking, Generate Report, it will generate a word report based on the final grades for each course, it will also have statistics on grades such as lowest, highest, average, median, mode, and standard deviation. **THE REPORT MAY TAKE A COUPLE SECONDS TO COMPIE, PLEASE BE PAITENT**

Here is a screenshot of one page of the report. The full report will have each course on a different page.

AS101 Final Grade Report

Lowest Grade: 55.25

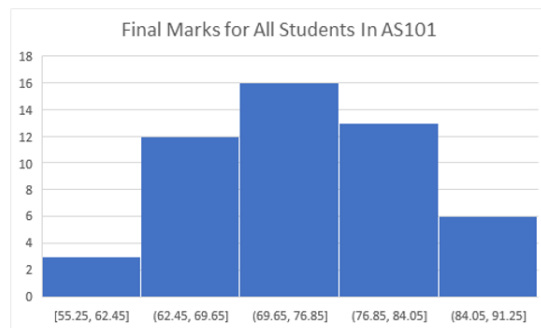
Highest Grade: 87.8

Average Grade: 74.106

Median Grade: 74.5

Mode: 71.05

Standard Deviation: 7.59

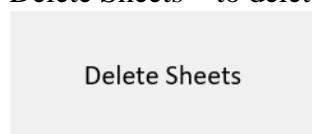


Extra Notes

The weighting system used to calculate assignments, midterms, exams, and final grades is shown below:

Grades Breakdown	
Assessment	Weight
A1	5%
A2	5%
A3	5%
A4	5%
Midterm	30%
Final Exam	50%
Total	100%

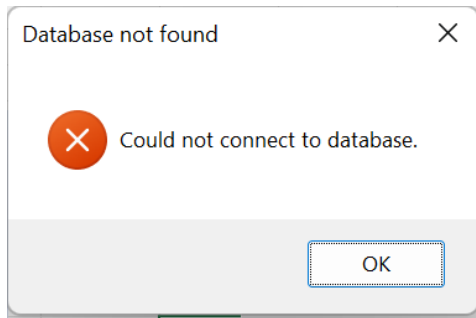
Delete Sheets – to delete sheets except for “Home”, press ‘Delete Sheets’



Common Errors

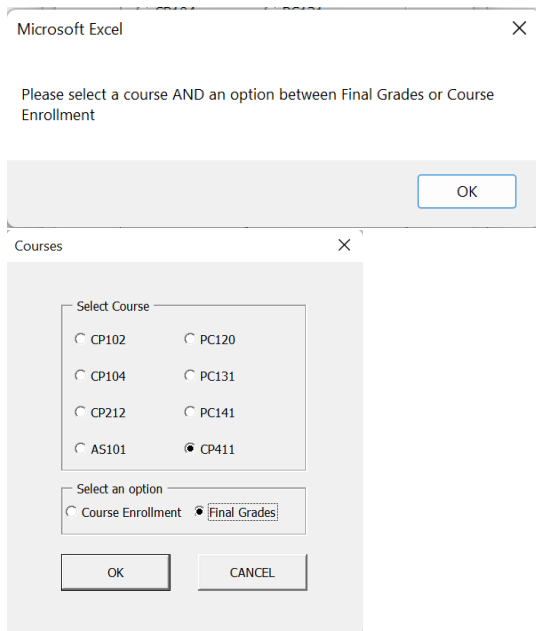
Database not found.

- Check that name of database is: Registrar.mdb
- Verify that database is not corrupted
- Can also happen when user presses cancel when selecting database file, make sure to select a file



Not selecting a course AND an option

- When running the Final Grade or Course Enrollment features, users may forget to select both a course and an option between Final Grade and Course Enrollment, an example will be shown below on how to fix it.



- Make sure an option is selected for 'Select Course' AND 'Select an Option'