

github.com/cerotoxyn/GPATrackerPro

Test Cases

Test Case ID	Test Description	Input	Expected Output	Actual Output	Pass/Fail
TC001	Add a course with valid data	Course: "Math", Credits: "3"	Course added successfully to the gradebook		Pass
TC002	Add a course with invalid credits	Course: "Science", Credits: "abc"	Error message: "Valid credits are required"	"Course name and valid credits are required"	Pass
TC003	Assign a valid grade to a course	Course: "Math", Grade: "A"	Grade "A" assigned successfully to "Math"	"Grade 'A' assigned to MATH."	Pass
TC004	Assign an invalid grade to a course	Course: "Math", Grade: "Z"	Error message: "Grade is not valid"	"Invalid grade"	Pass
TC005	Calculate GPA with graded courses	Courses: Math: A, Science: B	GPA calculated accurately (e.g., 3.5)	"Your GPA: 3.50"	Pass
TC006	Calculate GPA with no graded courses	No grades assigned	GPA: 0.0	"Your GPA: 0.0"	Pass
TC007	View GPA results	Action: Open GPA results window	Displays GPA and course information	Displayed GPA information	Pass
TC008	Attempt to add duplicate courses	Course: "Math", Credits: "3"	Error message: "Course already exists"		

Testing Case Screenshots

TC001

Manage Courses

Add Course: Credits:

Assign Grade:

Course	Grade	Credits
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Success

Course 'Math' added with 3 credits!

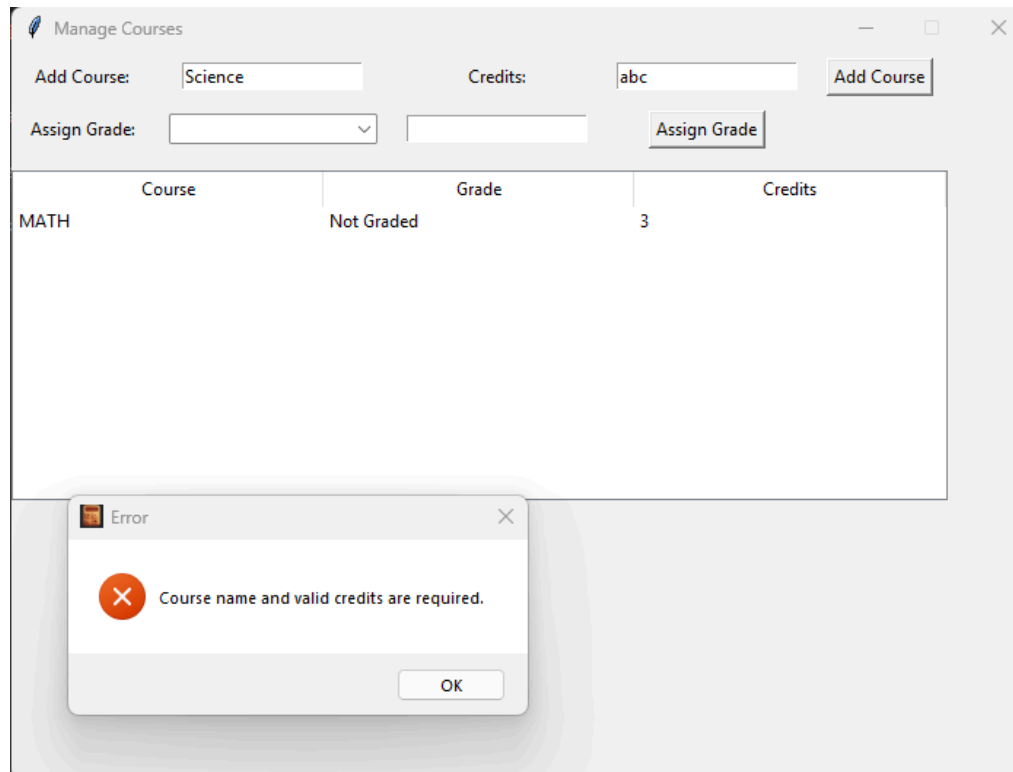
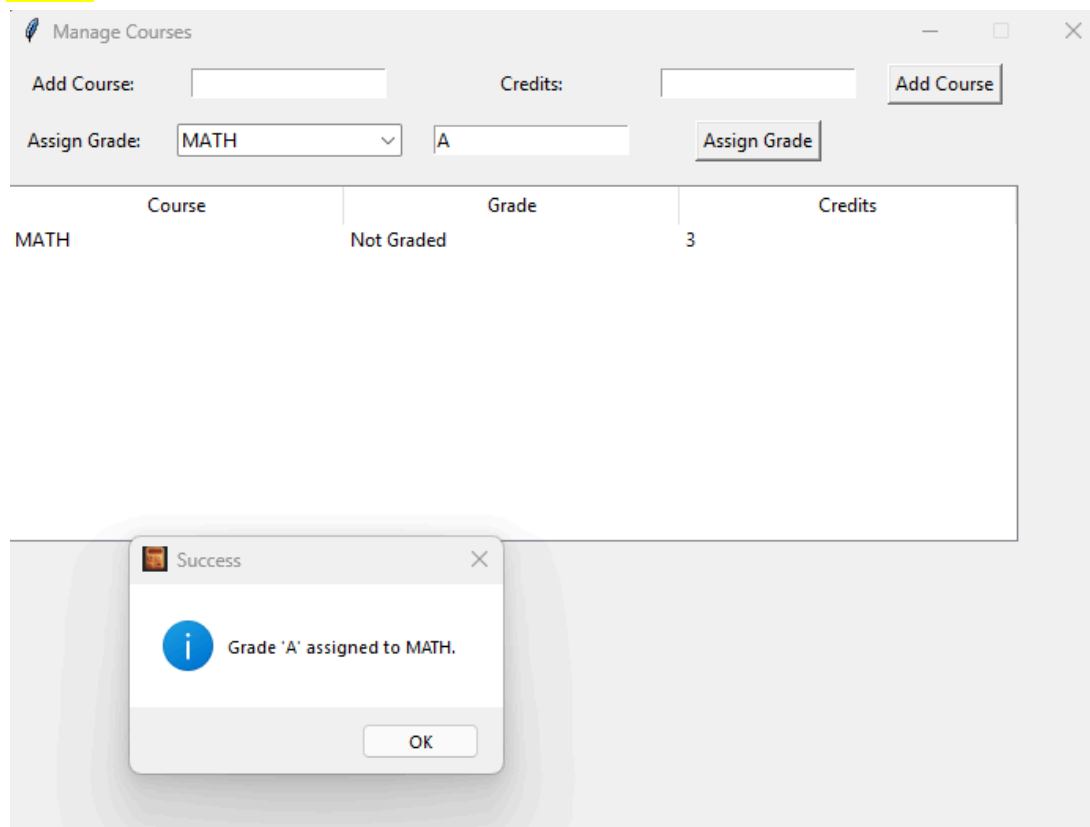
OK

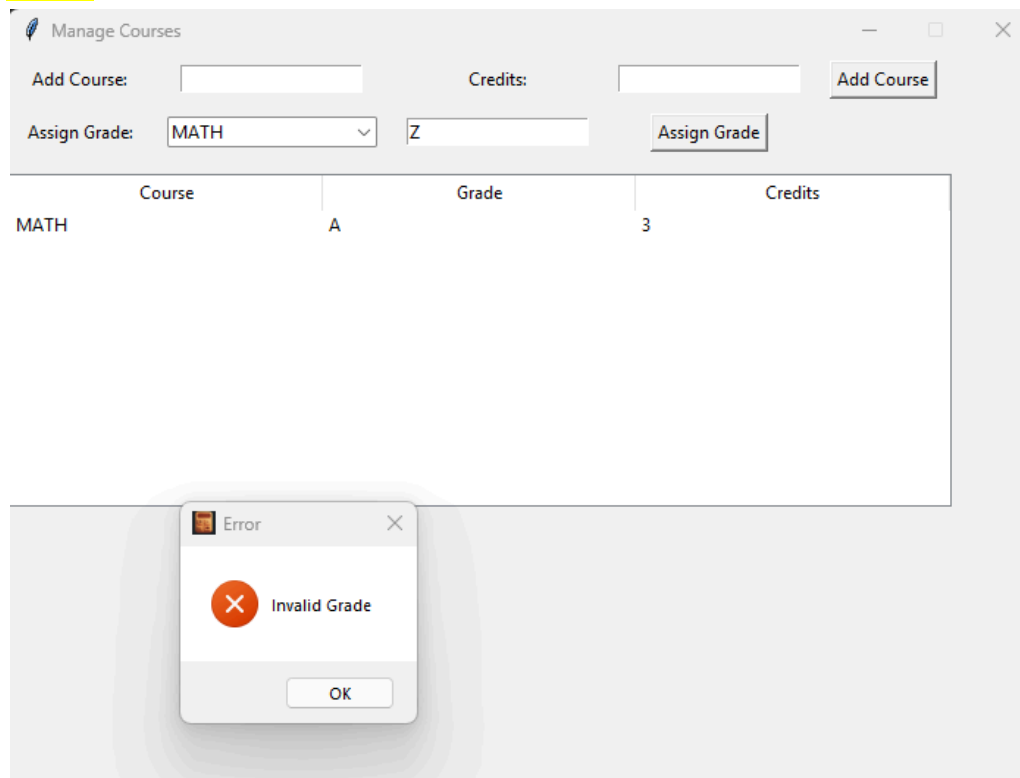
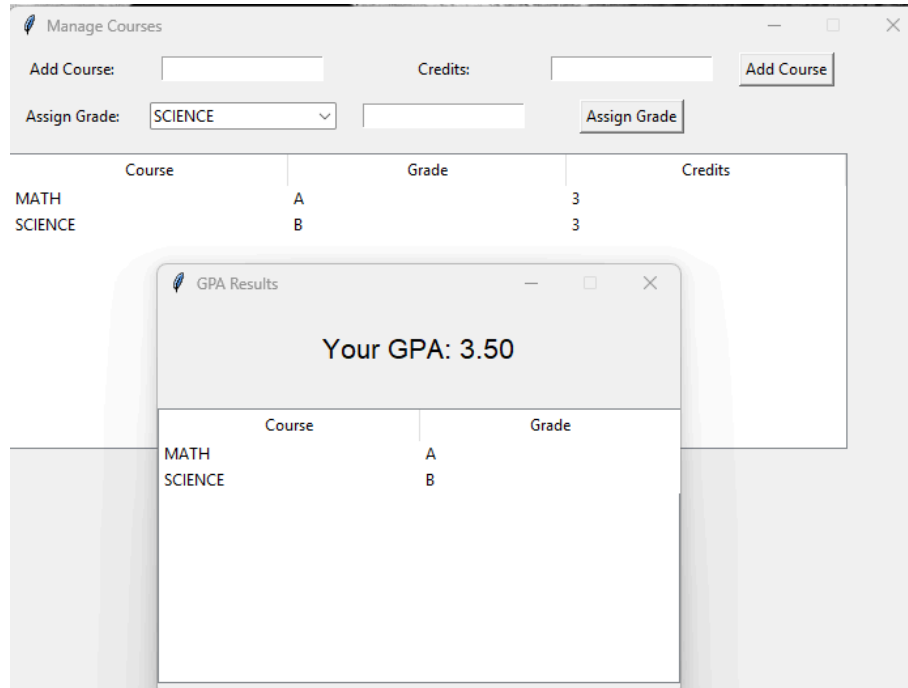
Manage Courses

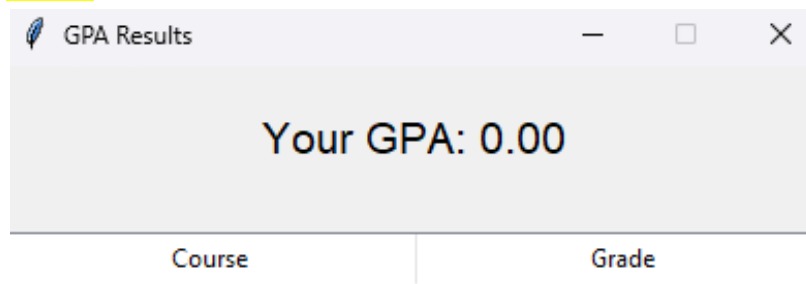
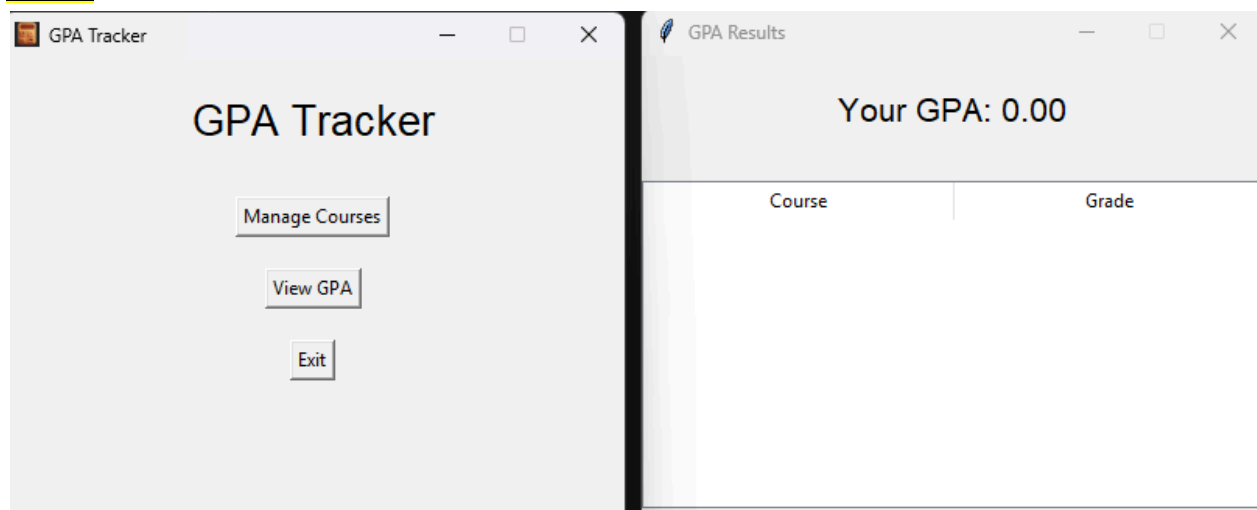
Add Course: Credits:

Assign Grade:

Course	Grade	Credits
MATH	Not Graded	3

TC002**TC003**

TC004**TC005**

TC006**TC007**

TC008