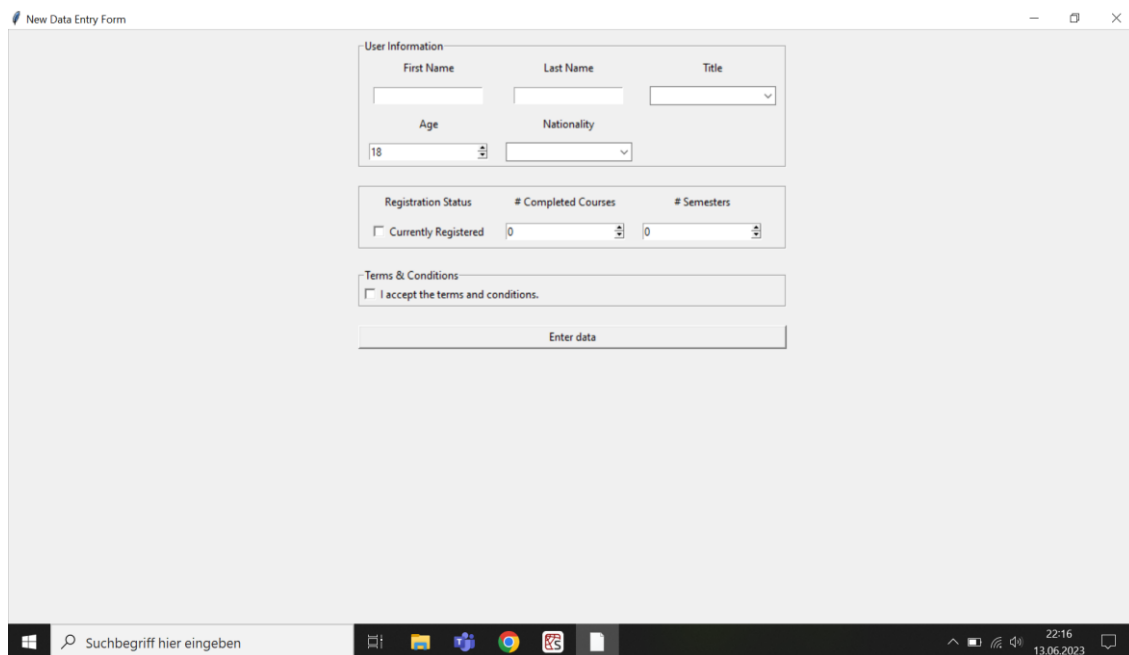# Project Assignment 2:

Student Registration System

Project Description:

The Student Registration System is a graphical user interface (GUI) application developed using Tkinter in Python. It allows users to register new students and stores their information in a text file for future reference. The system includes the following features:

Registration Form: The GUI provides input fields and menus to capture the student's information, including first name, last name, title, age, nationality, registration status, number of completed courses, number of completed semesters, terms and conditions, enter data as shown in the figure below.

Data Validation: The system validates user inputs to ensure the correct format and data integrity.

Data Storage: The system saves the registered student's information in a text file. Each student's data is stored as a separate record, with fields separated by commas or in a structured format like Excel. You need to enter store at least 5 samples!

Error Handling: The system includes appropriate error handling mechanisms to handle exceptions and display user-friendly error messages when necessary.

User Interface Enhancement: Customize the GUI with additional feature by adding the THD logo as an icon on top of the window.

User Feedback: The system provides feedback to the user after each operation by displaying success message after registration.

Documentation: Provide clear and concise documentation on how to use the system, including installation instructions and an overview of the application's features and functionality.

Deliverables:

Python code implementation of the Student Registration System.

A short documentation file (2-3 pages) documenting the rules, instructions, and explanations of the implemented features.

A short oral presentation with QA (Times will be announced later on iLearn)

Guidelines:

You can use additional Python libraries or modules that are relevant to the project requirements.

Structure your code by using functions, classes, loops and appropriate variable names.

Write clean, well-documented, and readable code (follow the PEP 8 style guide).

Test your program thoroughly. Make sure that all features are working correctly and could handle any potential errors.

Don't forget to add useful comments to your code!

Submission:

Submit your project on iLearn as one compressed ZIP file. Store the file using you student Id number. Include the Python code, the sample text-file, the documentation file, and any other relevant files in the compressed file.

Deadline for submission at 23:59 on June 27, 2023

Good Luck!

Ibrahim M. Bader