

# MIS-315-Homework 4:

## Registering Students in SDSU

Your assignment is to create a registration form for SDSU university. This program asks for students' information and saves them in a CSV file. The user, which is an SDSU registrar, enters the following information for each student:

- SDSU Id
- First name,
- Last name
- Birth date
- Email Address
- Degree
- Class of graduation (ranges between 2022-2029)

After entering the information, it will be saved in a CSV file named 'Students.csv'. This program also helps the registrar look for existing students. The search works based on SDSU Id, email, degree, and graduation class. An error message will be displayed if no student meets that criteria. To make the program easier for the registrar, it will use Graphical User Interface (GUI) in Google Colab to enter the data.

### Some considerations as you write your program:

- If there is an existing file in this location, the new students will be added at the end of the file.
- Create one block to enter the student's information, so the user does not have to go to multiple blocks. (You can look at the figure at the end of this document.).
- You do not need to use a while loop to enter multiple students. Instead, the user can run the form block multiple times.
- You can also have **four** blocks for search, and each block searches for a specific type: SDSU Id, email, degree, and classes of graduation.
- You may use settings that do not allow users to enter non-numeric values for SDSU Id.
- You need to use calendar type for the birth date.
- Degrees should be selected from a list. Here is the list of available degrees: Bachelor of Science, Master of Science, and Master of Business Administration (BS, MS, MBA).
- The graduation class also needs a slider between 2022-2030.

- When your program asks for the email, consider the possibility that the user will respond in uppercase, lowercase, or mixed case letters (“john@sdsu.edu”, “Jphn@SDSU.edu,” for example). Ensure that your program can handle any of these possibilities appropriately.
- After the search, information about each student should be displayed in one line.
- Ensure that your prompts and output are crisp, professional, and well-formatted. For example, ensure that you have used spaces appropriately and double-checked your spelling.
- Adding comments to your code is encouraged. You may decide how best to comment on your code. At a minimum, please use a comment at the start of your code to describe its basic functionality.
- You must appropriately use the following concepts in your code: loops, functions, string functions, and lists.

Forms support many types of fields.

`sdsuId:`

`first_name:`

`last_name:`

`email:`

`birth_date:`   

`class_of_graduation:`  2027 

`degree:`   

**Screenshot of the suggested input form for your program**