

User Manual

How to use and Where to start

- Step by steps on how to use the program in the best way:
 - First download all the necessary resources: mysql, mysql workbench, python, vscode...
 - Load up the python in to vscode and turn on mysql workbench.
 - Copy the table schema and paste into mysql workbench and run it to create tables
 - Now you can just hit the run button and it should pop up 2 windows for you to use

Explanation for each windows

- Each of the windows allows you to do certain things: Enter information to the tables and Get all the information you want back.

User Data Entry window:

1. **add_department():**
 - Adds basic information about a department to the Departments table.
 - The department code and name are unique so you can't duplicate the row
 - Department Code has to be 4 letter code
2. **add_faculty():**
 - Adds basic information about a faculty member to the Faculty table.
 - You can have the same name and same email, you can work at the same department but Faculty ID is unique so you cannot duplicate people
3. **add_program():**
 - Adds basic information about a program to the Programs table.
 - The facultyID that you provide here must associate with the same department otherwise it will not let you enter the data. This is to prevent people from different department to be in charge of a program that is in another department
4. **add_course():**
 - Adds basic information about a course to the Courses table.
 - The department code and the program name are associated with each other to make sure that the user is not inputting wrong information
5. **add_section():**
 - Adds basic information about a section to the Sections table.
 - The faculty ID links with courseID to make sure the person in charge of that section belong to that deparment
6. **add_learning_objective():**
 - Adds basic information about a learning objective to the LearningObjectives table.
 - Course ID and Program name link with each other to make sure the user is not adding the wrong information
7. **add_sub_objective():**
 - Adds basic information about a sub-objective to the SubObjectives table.

- The subObjectiveCode is strictly linked with the objectiveCode with the syntax: LearningObjectiveCode.1, LearningObjectiveCode.2,... This make sure that the subObjectiveCode have to base on an existing objectiveCode

8. **add_evaluation():**

- Adds basic information about an evaluation to the Evaluation table.
- User will need to enter very specific information about what section they are trying to evaluate and the number of students who passed can only be less than or equal to the number of students that enrolled

User Query Input Window

1. **List Program:**

- Enter the department code and the system will return all the programs that belong to this department

2. **List Faculty**

- Enter the department code and the system will return all the faculty that belong to that department as well as their rank, email and id

3. **List Course/Objectives**

- Enter the program name and the system will return all courses + objectives that go with those courses

4. **List Objectives**

- Enter the program name and the system will return all objectives that belongs to that program

5. **List Evaluation Result**

- Enter a semester and program name, the system will return all the evaluations such as: number of student that met the objectives as well as what section.

6. **List Evaluation Result for Academic year**

- Enter a start of a year and an end of a year, the system will return every single section that begin at the start of the year summer to the end of the year spring. The output will have evaluation method, number of students that passed and the aggerate value.