CSCI Assignment 3

Due 10/15/23

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**Design elements:**

The first design change over the old GUI and the new one includes the reduction in the size format. I felt a smaller application was adequate for this application as well as providing a less overwhelming experience. Creating something that was simple intuitive and got the job done was more important to me. In the main window a user will find two tabs a registration form tab and a Records tab. The registration form tab contains on the left side a box to enter student ID and Student name rather than dropdown menus before. This is far simpler and less cumbersome to use than a drop down with all available ID numbers. A dropdown does exist but for the purposes of replacing the radio buttons to provide a cleaner more modern appearance. Further down there is a selection box that can be used to manually type in courses or if a course is selected from the course tree window it will be placed in the selection box. Below the selection box there is a clear selection and submit button, the clear selection box clears all fields for ease and the submit button pushes all data from the fields into the records tab. The course selection tree is divided into departments as the root of the courses. For example, the Computer Science tree contains all the CSCI courses and so on. The records tab when clicked opens a larger tree view that contains all previous records. A tree root is based on the student’s ID number and continues to be updates as more classes or IDs are added it can be noted that a course duplication exclusion system was put in place to make sure the list did not fill up with duplicates.

**Colors:**

The color scheme of the application is very simple, it contains easy to view colors that fit with UND’s color scheme and the overall scheme of the program. I decided to keep all the buttons white to promote visibility and the application window a light green to make it unique. The program’s tree view tabs are grey to be less strenuous on the eyes.

**Style:**

The program uses a modern rounded font to make it look time appropriate and the layout is simple and provides all information in a convenient and pleasing grid pattern.