**Final Project Summary**

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**METCS 521, Spring 1**

**I. Project Description**:

This project implements the curriculum page of the master’s in software development by Boston University Metropolitan College. Once started, the project presents 4 options from which user can select.

1. To view all courses offered by the master’s in software development
2. To view a specific course
3. To edit a course
4. To exit the program

**II. Project Structure:**

1. This project has a curriculum folder, which has two sub distinct folders named core\_courses and electives. Each of these folders houses files for each course. In addition, it also has a folder called curriculum\_summary, which contains a file named all\_courses.txt that gives a summary of all course id and title.
2. Each course has its own file. For instance, course id METCS521 is in file METCS521.txt. As a result, there are a total of 17 files; 6 files are for 6 core courses, and the rest are for elective courses. Each file contains course id, credit number, description, and prerequisite.
3. The project has a class called course.py to initialize a course. Among the \_\_init\_\_ method, and other private methods, this class has two public methods that a class object can call to get detailed information for a specific course and a summary of all available courses. It also has two unit tests using assert statements to verify the get\_course and get\_all\_course methods operating the way they are designed.
4. This project also has a class called start.py which user needs to interact with to execute the program. This class has several methods to display user option, validate user inputs, create a course object and call its methods to return information requested by user.

**III.** **Project Start:**

To run the project, start the ‘start.py’ file, then follow the prompts to execute the program as shown in the image below.

**A screenshot of a computer program

Description automatically generated**