

Step 3:
Design outline:
Modules required:
AddStudent module
AddSubject module
ViewStudentsRecords module
Main module where menu and options will guide user to use above modules

Coding components:

A Class for subject
Variables:
Name - name of subject
Grade - the grade the student has received this subject
Methods:
ToString() - string representation of a Subject

A Class for Student:
Variables:
AverageGrade
Name
ID
List of Subjects a student has attended and received a grade for
Methods:
CalculateAverageGrade() - calculate average grade from all subject grades
ShowAverageGrade() - calculate and show average grade
AddSubject(string subjectName, decimal grade) - add a subject the student has studied and has a grade for
ToString() to print out the student and their courses with their grades and average grade.

A Class for StudentGradeManager - that will handle subjects and students
Variables:
List of Students
List of subjects per student variable (*part of Student class*)
Methods:
AddStudent()
AddSubject()
ViewStudentsRecords()

Switch statements:
To handle the user's input in regards to the menu options they are presented

if/else statements:
Check on add Subject module if students exist and provide message if so
Check on View students module if students exist and provide message if so

Loops:
The main menu should be in a while true loop to keep repeating the user their menu options
The ViewStudentsRecords module should loop through all students and through all the courses per student

