Student Management App

1. Create a student class with below Members and methods.
   1. Members:
      1. Student ID.
      2. FirstName
      3. LastName
      4. EmailID
      5. DOB(Date Of Birth)
   2. Methods (you can make all these as static methods)
      1. AddStudent
      2. UpdateStudent
      3. DeleteStudent
      4. GetStudentDetails
      5. GetCount
2. Student Id should be auto-generated and should be in the form of “XYnnnnn”.
   * 1. X – First Character of Student First Name
     2. Y -- First Character of Student Last Name
     3. nnnnn numeric number starting from 10,000. Increment 1 for each student.
3. Display a menu from the Main function for all five activities.
   * 1. AddStudent
     2. UpdateStudent
     3. DeleteStudent
     4. GetStudentDetails
     5. GetCount
4. When selected “AddStudent” Option call the respective method in Student class. Read all required members of the student from the console(Except studentID). Store these details in a Text file.
   1. In text file data format is your choice but give the file name as XYnnnnn.txt(Ie. Student ID.txt)
5. When selected “Update Student”.
   1. First, ask for student ID to be updated.
   2. Read all/Some of the members to be updated(Your choice).
   3. Overwrite the specific student file.
6. When selected “Delete Student”
   1. First, ask for student ID to be Deleted.
   2. Delete particular student file.
7. When selected “Get student details”.
   1. First, ask for student ID.
   2. Read the particular file and print student details.
8. When selected “GetCount”. Give total students count.
9. Repeat the menu until the user selects n/N.

Note:

Below objects or classes will be helpful for you to complete this assignment.

1. String.substring() to get specific characters from a string.
2. String.conctat() to combine two or more strings.
3. System.Io.File class
4. String.split() to split a string based on a delimiter.
5. String.Join() to combine two or more strings into a single delimiter separated string.
6. Store all the files in small folder for easy access.