AP - ASSIGNMENT 7

Create an C# application which manage high school students as following:

a. Create class 'Student' with specifications:
Private Fields:

Srno.	Identifiers	Data type
1	ID	String
2	Name	String
3	Maths	Int
4	English	Int

Public Properties:

SrNo	Identifers	Type	Refer to field	Description
1	pID	RW	ID	Have pattern "ST-xxx[xx]" x: digits
2	PName	RW	Name	Not null, only alphabeta chars and space
3	pMaths	W	Maths	Between 0 -100
4	pEnglish	W	English	Between 0 -100
5	pAvg	R		Calculate average of Maths and English

Methods:

Srno.	Identifiers	Return type	Description
1	Print ( )	Void	Display detailed information
2	Accept()	Void	Input a student information.

b. Create a delegate named 'DEmpty' that has a string parameter and no return value

c. Create class 'HighSchool', implement Interface IEnumerable
   i. Fields:

Srno.	Identifiers	Data type
1	stList	List <Student>

ii. Methods:

Srno.	Identifiers	Return	Description
1	Add()	void	Add a student into list
2	Override method GetEnumerator()	void	rturn list of students
3	Remove (String ID)	void	Remove a student from list by ID.

Event:

Srno.	Identifiers	Return type	Description
1	ENullData	DEmpty	Raised when empty List !

d. Create menu-based client class "TestStudents" for testing class StudentCollection:
1. Add new student
2. Display all students
3. Display passed students
4. Search students by name
5. Remove a student by ID
6. Quit