Phase-1

# Assessment -1

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## Text-File based system for storing and Updating Teacher's Records.

# 1.Abstract:

The Assessment is about creating a console-based application for storing and updating Teacher's record.

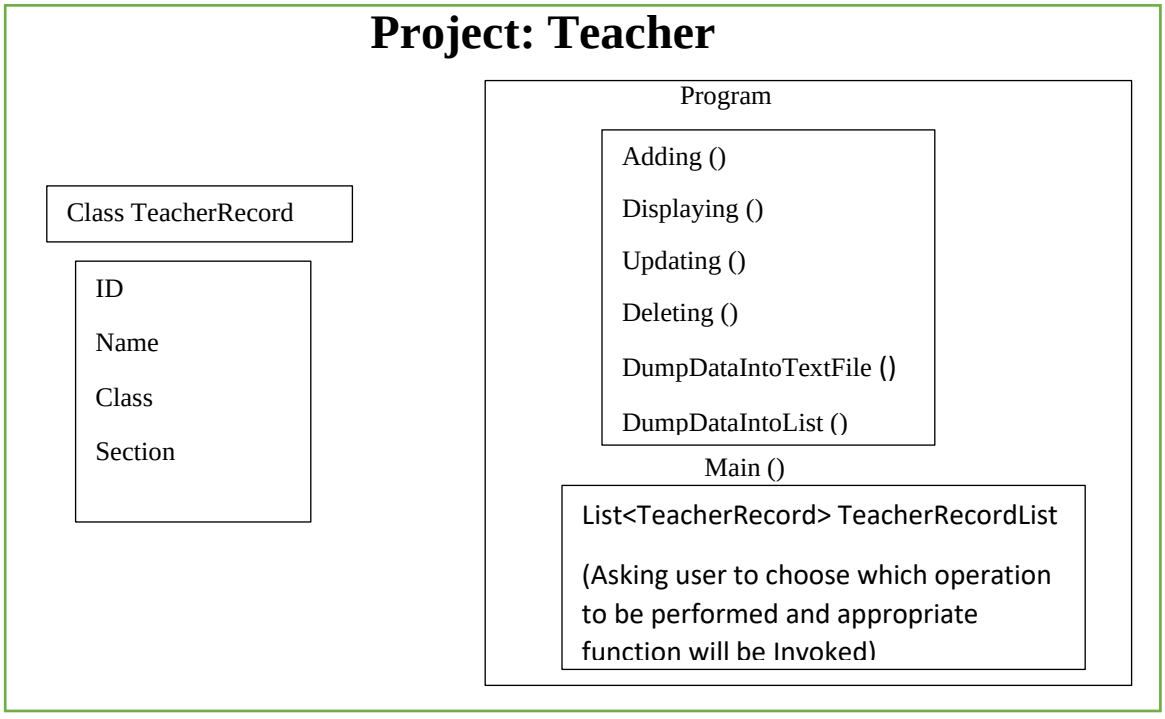
The user can enter the teacher's record in command line interface and perform some other CRUD operations like displaying, deleting, updating.

The entire project is written with C# programming language.

# 2.Requirements:

- Microsoft Visual Studio 2019 Community version
- .Net Framework
- Windows OS

# 3.Flow of the Program:



## 4.Functionalities Provided:

1. Add a teacher's record
2. Display the record
3. Save data into the text file
4. Update the record
5. Delete the record
6. Exit

## 1.Add a teacher's record:

When the program is executed, command line interface will pop up and user will have the options (step.4). User can choose the any options by entering integer value corresponding to the respective operations.

To add a teacher record, user must enter 1 and he will be asked to enter the number records he wishes to enter. And user needs to provide the Name, Class, Section for each record.

**2.Display the Record:**

If the user wants to display the teacher's record, he can enter 2 and the teacher's record will be displayed.

**3.Update the record:**

If the user wants to modify/update the existing record, he needs to enter the Teacher's ID whose record he wanted modify and then he chooses either name, class, section to modify them.

If the ID is not matched with any of the record, CLI throws text output "Id is not found"

**4.Delete the record:**

If the user wants to delete any of the record, he can delete them by providing Teacher's ID so that the respective record will be deleted.

If the ID is not matched with any of the record, CLI throws text output "Id is not found"

**5. Save data into the text file:**

After performing the above operations, user can dump all these records into a text file.

If the user doesn’t save data into a text file, then the data will not be updated in text file since the data has been maintained temporarily in Data Structure like List.

**6.Exit:**

If the user wants to exit from the current data transaction, he can simply exit by entering 6.

If the user exit without saving data into a text file, then the data will not be updated in text file since the data has been maintained temporarily in Data Structure like List.