

Text-file based system for storing and updating teacher records

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1. Abstract

It is a console-based application to manage teacher's data. Command line interface is used to interact with application backend. This application is programmed using C#. This application uses text file to store, update and retrieve teacher data.

2. Software Requirements

- Visual studio community 2019
- .NET framework
- Windows OS

3. Modules

- Adding record
- Display record
- Save data to text file
- Update record
- Delete record
- Exit without saving

3.1 Adding record

User can add a new teacher record using this option. To continue, the user has to enter the number of records to be added and then enter the respective number of ID, Name, Class and Section.

3.2 Display record

This option is used to display the content of teacher record input by the user.

3.3 Save data to text file

This option is used to save the data and operations performed on console to text file.

3.4 Update record

This option is used to update data in previously existing record. To continue the user has to input the id of the record which has to be updated and the respective data to be updated. Suppose the user input id to update record is not present then an error message saying ID NOT FOUND is prompted.

3.5 Delete record

This option is used to delete an existing record. To continue, the user has to enter the id of the record to be deleted. If the id is present the respective record will be deleted else ID NOT FOUND error message will be prompted.

3.6 Exit without saving

This option is used to exit the console without saving the changes made by the user. All the operations will be lost and text file remains unaffected with this option.