PHASE 1: AGILE, GIT, and BASICS OF C# PROGRAMMING

PROJECT 1

Create a Text-file Based System for Storing and Updating Teacher Records

SUBMITTED BY:

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ABSTRACT

The proposed system is a console-based application which can be used to manage teacher's data in a school / college. The user can use command line interface to interact with the application's backend. Whole project is written with C# programming language. The backend uses text file-based approach to store, update and retrieve teacher's data.

FEATURES PROVIDED

1. Display all the Teachers
2. Display the teachers by ID
3. Add a teacher detail
4. Delete a teacher detail
5. Edit Teacher details
6. Exit

1. Display all the teachers:

All the records present in the text file will be displayed. If no data is present, the command prompt will show the menu again.

2. Display the teacher by ID:

ID of the teacher will be taken as the input. It is them matched will the IDs present in our record and then the appropriate details are displayed.

3. Add a teacher detail:

Once the code is in execution environment, a command line interface will be popped up in front of the user. The user will have options as shown 3rd step. User can enter numerical value that will correspond to the respective option. Adding a new teacher will be prompted if user presses 1. User will have to enter number of records to be enter, ID, Name, Class, and Section for each entry.

4. Delete a teacher detail:

The user will have to select/enter 5 for deleting a record. The user will have to provide teacher's ID. If the ID matches record, then that record will be deleted else the CLI will throw an error showing ID not found.

5. Edit teacher details:

For editing/ updating a record, the user will have to enter Teacher's ID. If the ID is not present in the database, the CLI will throw an error saying ID not present. If the entered ID matches, then the user will get an option to change Name, Class and Section. The user can proceed with any one he wants to.

6. Exit:

Finally, we can exit the CLI by selecting this option.

SUBMISSION

The source code, the related documents are uploaded on GitHub. The link to the GitHub is: Click Here