Webkiosk Prototype

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INTRODUCTION

This project is based on the institutional web kiosk including teachers and student's data. As an institution has different people having different access on data this project will focus on that and will try to systematically organise the data of teachers and students under their respective teachers.

SCOPE

This project deals with the data of teachers and students and their relations with each other. All the details of teachers like their id's, the batches they teach, the courses they teach, their salaries, their performances, their posts and details about the students like their roll number, courses they have opted, teachers they are associated with, their academic performances, their marks, etc.

The project can be used by a single teacher to a small institute containing a few teachers and students. The data will be monitored by the admin and only he will have the total control over all the data.

The teachers can read their data while read and writing their respective student's data. The student will be able to read his data only.

ABOUT THE PROJECT

Data structures used

1. **Array:** One of the most basic and commonly used data structure, for temporary storage of data for quick approval before finally saving it in a file.
2. **List of list**
3. **Hashing:** To read and save the data of all student's data that a teacher needs to see, for easy and fast access.

4. **Searching:** Searching techniques to look for the specific data the teacher needs to see of a specific student, or when the admin to see records of a specific teacher or student.
5. **Sorting:** Will be constantly be used will writing data in file for fast retrieval in later stages.

Something we will try to implement

Other than using classes and object, inheritance, operator overloading (to compare between two students or teachers), we will try to implement file handling by connecting our project with MySQL or Excel to make something new.

Environment of project: CodeBlocks