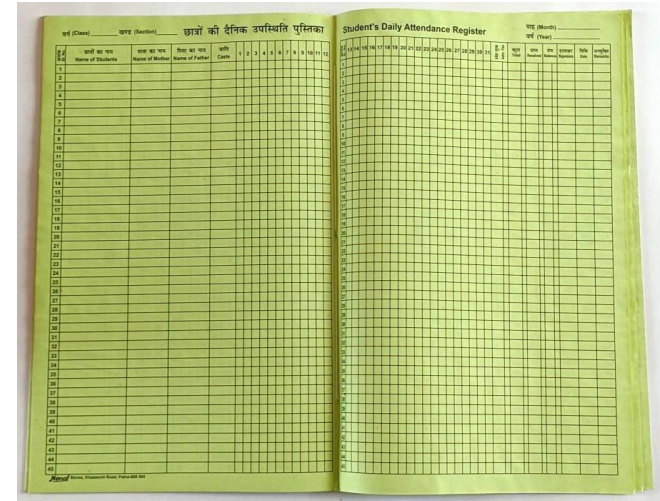

School Students Attendance Register

A CS50 final project presentation

Problem Solved using Program

In India usually schools maintain a attendance register for each class to maintain attendance records and also they have to maintain it for years. Using this program they can convert the whole process digital and paperless. They can save each data in separate file for each class on each day they take attendance of with separate class folders created automatically, they just need to feed data names of students and “A” for absent and “P” for present, they can also use lower case



Limited students are entered and also to be maintained physically



Things this program will do

- Will prompt user to enter class in which he need to take attendance so that program can also select class folder
- Then automatically program will select the current academic year using current date
- Take attendance and save that file with that particular date name
- Create student list if that is not created
- If user wants to see the list of students of that particular class he can see the whole list
- Add students if user wants to add new student in between academic year
- Remove student if user wants to remove any student in between academic year



Prompt user for class

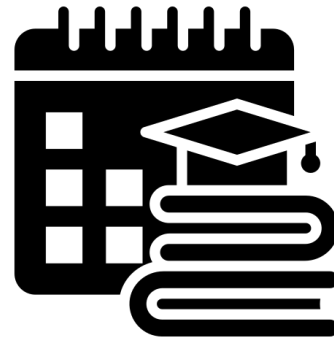
- By this User can input for which class he want to update attendance or add or remove student
- Using this program will also reference to that particular folder in which files are going to be saved or already saved
- Using this user can save multi class data in multiple folders and access them separately
- If user type other then 1-12 he will get error msg
- If user type other then integer he will also get error msg





Selecting academic year

- In this program using current date academic year will be automatically selected and folder will be created using that academic year
- So the folder structure will be as follows:
- /Academic_year_2023-24/class #/students.csv and other attendance csv with their respective dates





Take attendance

- After asking for class User will see a list of options in which first will be taking attendance of class selected
- In this user will be prompted each student with a for loop which will iterate each student from students.csv file
- Then user can write A or P case intensively to mark absent or present if by mistake user write anything else he will be asked again for that same student
- Once attendance of all students are done program will exit and today's attendance will be saved in that particular folder of class with today's date



See the list of students

- The second option will be to see the list of students in that particular class selected
- It will print the list of students from students.csv file saved separately





Create student list

- The second option will be to create student list if it is not created
- If file already exists program will give msg to use add or remove option instead
- If file not exist it will run a forever loop until user type in 0 to exit the program



Add student in particular class

- Third option after selecting class will be if user wants to add student in selected class
- Usually this option will be used least but just in case if any student joins in between academic year this option will help





Remove student in particular class

- Fourth option after selecting class will be if user wants to remove student in selected class
- Usually this option also will be used least but just in case if any student leaves in between academic year this option will help





Exit the program

- If user wants to exit the program in option selection user can press 0

Thanks for
listening

Enjoy the
program