

STUDENT PERFORMANCE REVIEW SYSTEM

Objectives

- To simplify the performance analysis of a student
- To represent the overall progress of a student using GUI

User Personas

- Can be used by Admins(teachers/faculties) and Students and Parents

What we would like to Implement

- We would like to create a GUI that interacts with users and represents data in a graphical format making it easy for end-users to analyze and interpret the data.

Explorations

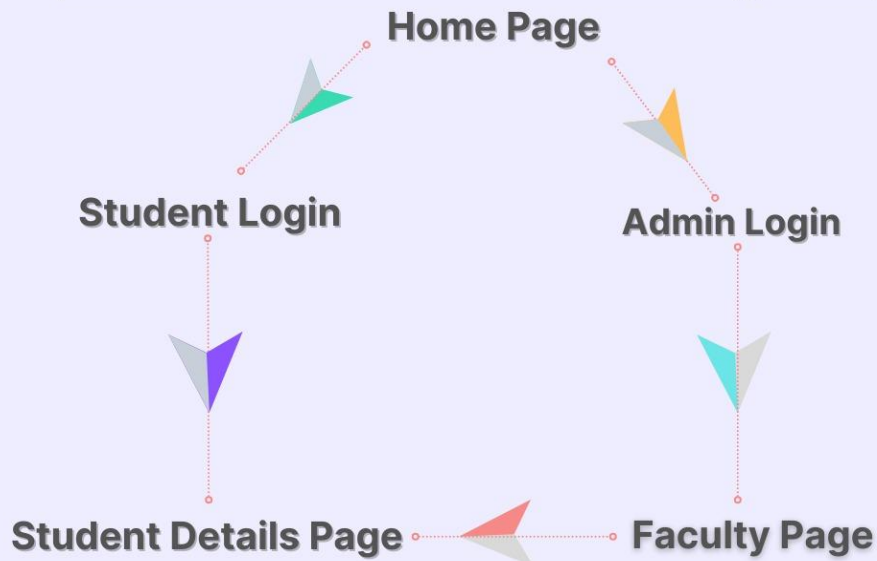
- Learned Tkinter graphical user interface (GUI) library for user to interact with user.
- Learned SQLite database for data retrieval.
- Python programming Language

Impact

- It will help users to understand information better as Visual representation of data is interpreted faster than text.

Project Schema:

Student Performance Review System



Student Details Page

Faculty Page

- Progress Graphs
 - Student Details
 - Attendance Graph
 - Remarks / Warnings
- Update Student Data

Project Description:

Home page will contain 2 paths :

- 1) Admin login: This redirects the user to Admin login page
- 2) Student login: This redirects the user to Admin login page

Admin Login Page :

- Created a GUI that interacts with the user (faculty/admin in this case) by taking Login Id and Password.
- Upon Successful login it redirects the user on the Faculty Page.

Student Login Page :

- Created a GUI that interacts with the user (Students in this case) by taking Login Id and Password.
- Upon Successful login it redirects the user on the Students Details Page.

Student Details Page :

- This page shows the marks of students in various exams by means of progress graphs.
- Attendance graph : Graphical report of Attendance till date.
- Progress graph : Shows academic performance of students in various subjects and areas to improve.
- Remarks / Warnings section: Remarks section records and shows any positive or negative feedback of students and Warning section.

Faculty Page :

- This page displays faculty details.
- A list of Students with name and Roll Numbers is displayed.
- Further clicking on student name/Roll no. it redirects to student details page (To see progress of a student).
- There is also an option to Update student details or marks.