Student Management System Project Report



CS232

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Introduction

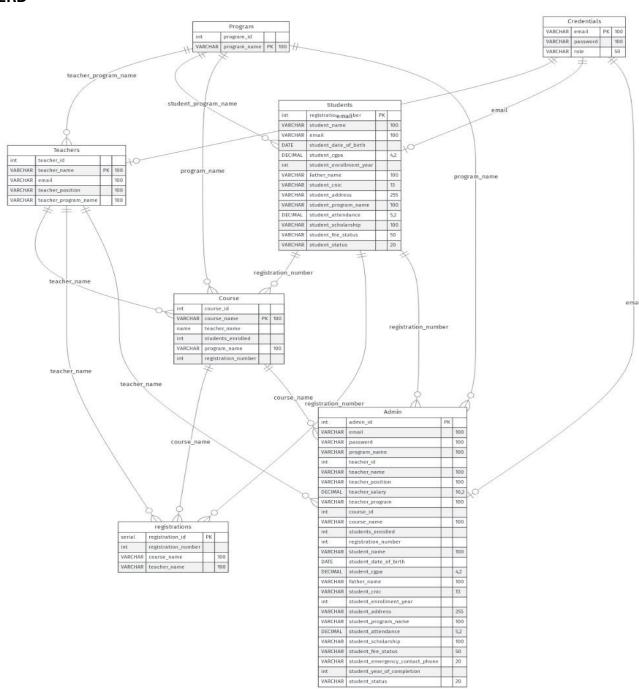
Purpose of the Report:

The reason and motivation of making this management system was the poor functionality of GIKI's Student Management System.

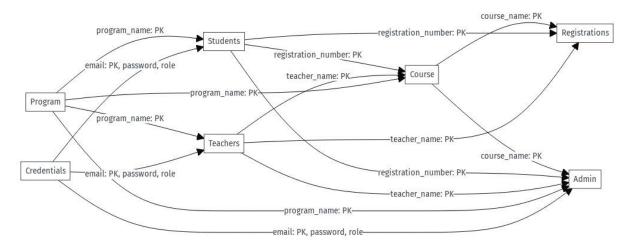
System Overview

Database Schema Design:

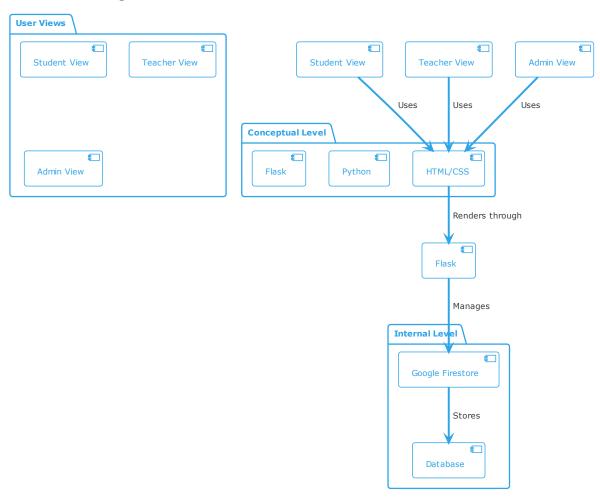
ERD



Semantic Object Model Diagram



Architecture Diagram



Normalization Process:

When we started construction of our database, we made sure that we normalize our tables to 1^{st} , 2^{nd} and 3^{rd} form.

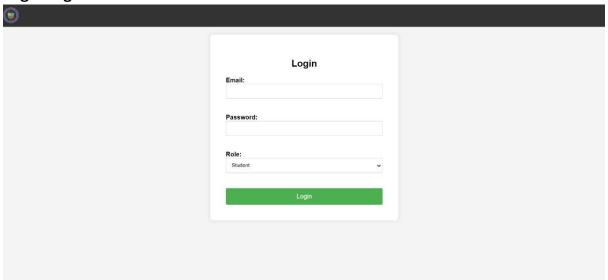
Database Technology Used:

Database management technology PostgreSQL & Google Firebase.

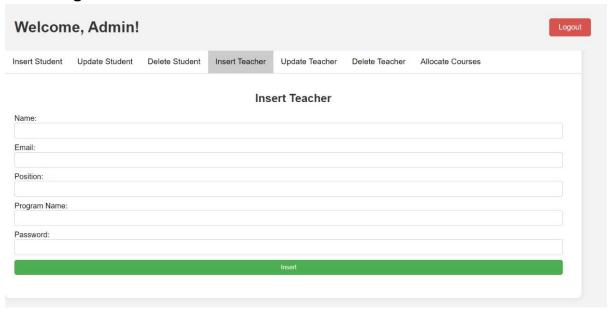
Features and Functionalities

User Interface Design:

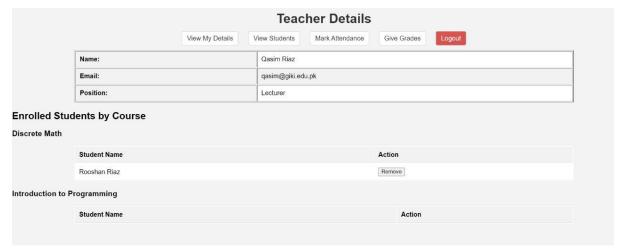
Login Page



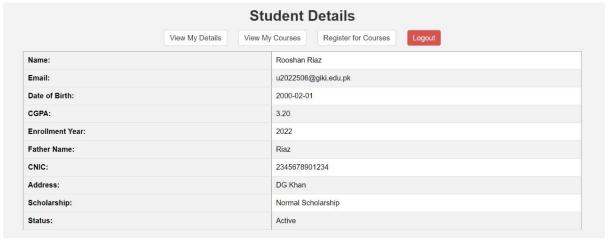
Admin Page



Teachers Page



Students Page



Registered Courses



Conclusion

In conclusion, the development of the Student Management System using a suite of powerful and modern. The front-end development utilized HTML and CSS, which were instrumental in crafting a responsive and intuitive user interface, making the system accessible to users with varying levels of technical expertise. The integration of Firebase and Fire store Cloud added a layer of real-time data synchronization and cloud storage capabilities, enhancing the system's performance and scalability across different platforms and devices.