

TITLE:DATA WAREHOUSING WITH IBM CLOUD Db2 WAREHOUSE

Team Members:

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IBM cloud Db2 Warehouse:

IBM Db2 Warehouse is a cloud-based data warehousing solution that is designed to handle large volumes of data and support high-performance analytics. It offers a range of features and capabilities that make it suitable for various use cases.

How IBM Db2 warehouse used in this project?

The Cloud-Based Student Information Management System powered by IBM Db2 Warehouse is an innovative project designed to revolutionize the way educational institutions manage and access student information. By leveraging the capabilities of IBM's Db2 Warehouse on the cloud, this system provides a scalable, secure, and high-performance solution for retrieving comprehensive details of students based on their register numbers.

This project harnesses the power of cloud computing and advanced database technology to streamline administrative processes and enhance overall efficiency in educational institutions.

Features:

Register Number-Based Query:

Users can input a student's register number to execute queries that fetch the entire details of the student from the IBM Db2 Warehouse.

Cloud-Based Architecture:

Utilizes IBM Cloud for hosting and deploying the Db2 Warehouse, ensuring scalability, flexibility, and accessibility from anywhere with an internet connection.

Comprehensive Student Profiles:

Maintains detailed and up-to-date student profiles, encompassing personal information, academic records, attendance, and contact details.

High-Performance Database:

Takes advantage of the powerful features of IBM Db2 Warehouse, such as in-memory processing and parallel data processing, to deliver fast and efficient data retrieval.

User-Friendly Interface:

Simple and intuitive design for easy navigation, requiring minimal training for users to effectively use the system.

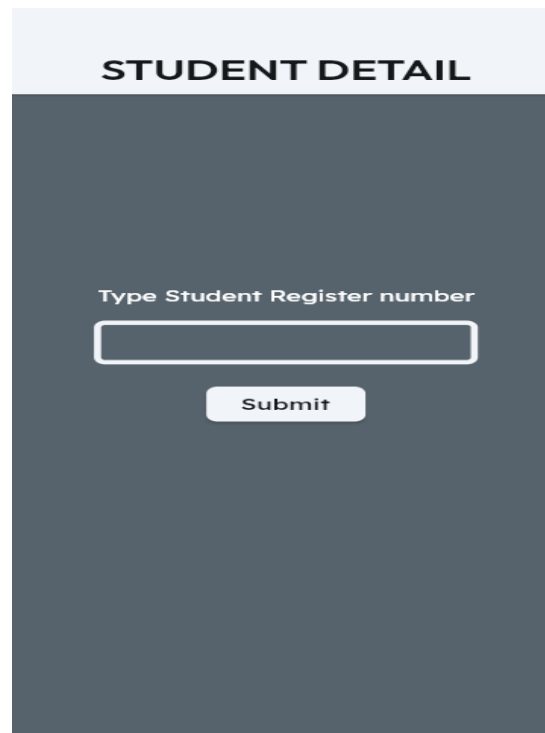
Comprehensive Student Details:

Provides a holistic view of the student's information, including personal details, academic records and contact information.

Final project overview:

Description:

The Student Information Management System is a comprehensive project designed to efficiently manage and provide detailed information about students using their unique register numbers. This system aims to streamline the process of accessing and updating student data, ensuring accuracy and ease of use for educational institutions.



The image shows a web form for student details. At the top, there is a light gray header with the text "STUDENT DETAIL" in bold. Below the header, the main area has a dark gray background. In the center, there is a text input field with the placeholder text "Type Student Register number". Below the input field, there is a white button with the text "Submit" in bold.

This image is the first page of interface, once you enter student register number and then click submit it will navigate to the next page, details in the excel sheet was display in next page of the interface.

STUDENT DETAIL

REGISTER NUMBER : 7112101

NAME : JOHN S S

FIRST NAME : JOHN

LAST NAME : S S

DEPARTMENT : CSE

DATE OF BIRTH : 18/10/2003

MOBILE NUMBER : 9120013456

EMAIL ID : john@gmail.com

This is second page of the interface that containing the student details of the unique register number that you have entered in the previous page.

STUDENT DETAILS

TYPE STUDENT REGISTER NUMBER

Submit

Register number not found

If Register number entered is wrong, It will indicate as Register number nor found.