EXPERIMENT NO. 9: AJAX

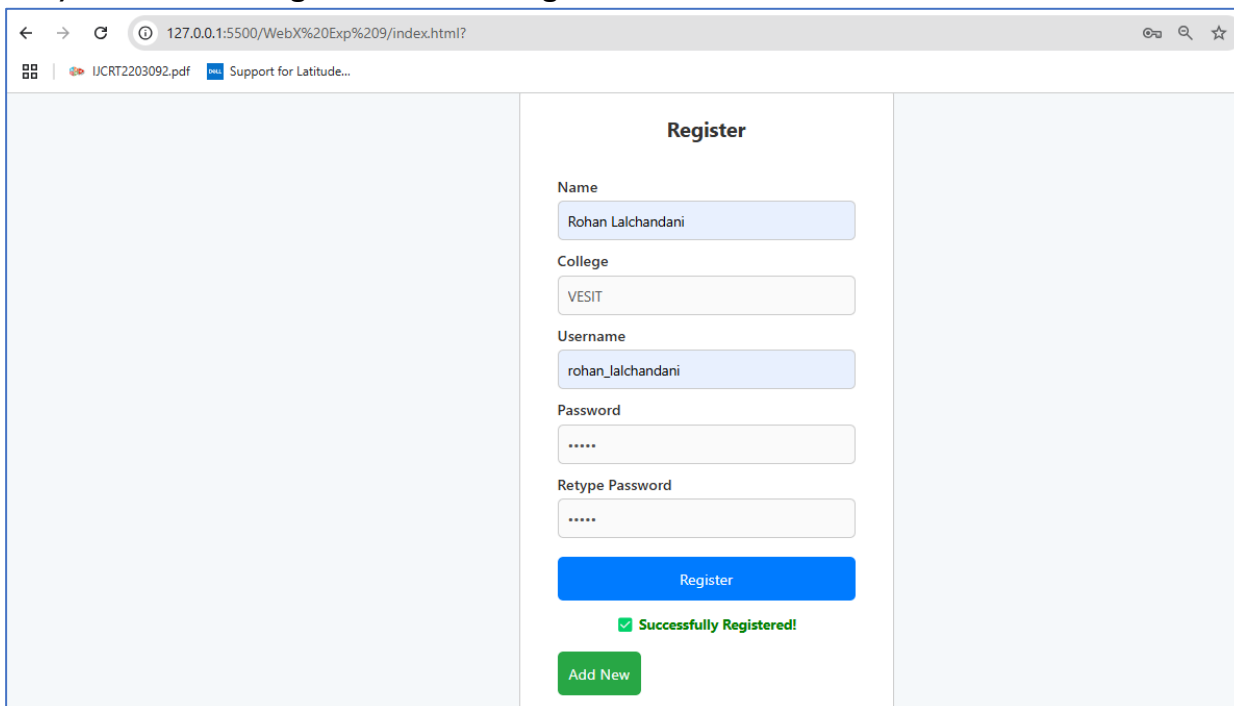| Name of Student	Rohan Lalchandani
Class Roll No	D15A_25
D.O.P.	03/04/2025
D.O.S.	10/04/2025
Sign and Grade	

AIM : **To study AJAX**

OVERVIEW OF TASKS PERFORMED :
In this experiment, AJAX was used to create an asynchronous registration form where users could input their Name, College, Username, and Password. The form included validation checks to ensure the Name field was not empty, the Username was unique, and the Password and Confirm Password fields matched. An auto-suggestion feature was implemented for the College field. Upon successful registration, a confirmation message was displayed, and the form was disabled. The use of AJAX enabled real-time validation and dynamic updates without page reloads, enhancing the user experience and streamlining the registration process.

GITHUB LINK - https://github.com/Rohan-Lalchandani08/WebX_Lab/tree/main/WebX%20Exp%209
OUTPUT:
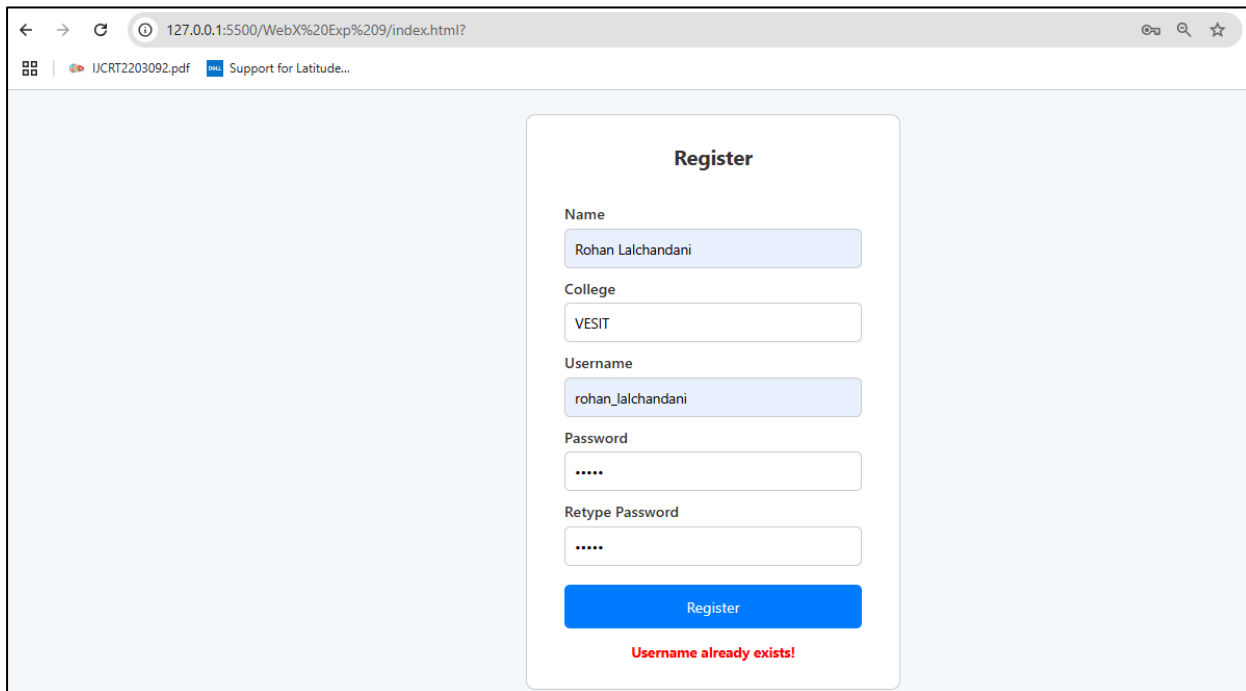
a)Successful Registration Message

This screenshot shows the **"Successfully Registered!"** message, which appears after a successful registration.

b) Duplicate Username Validation
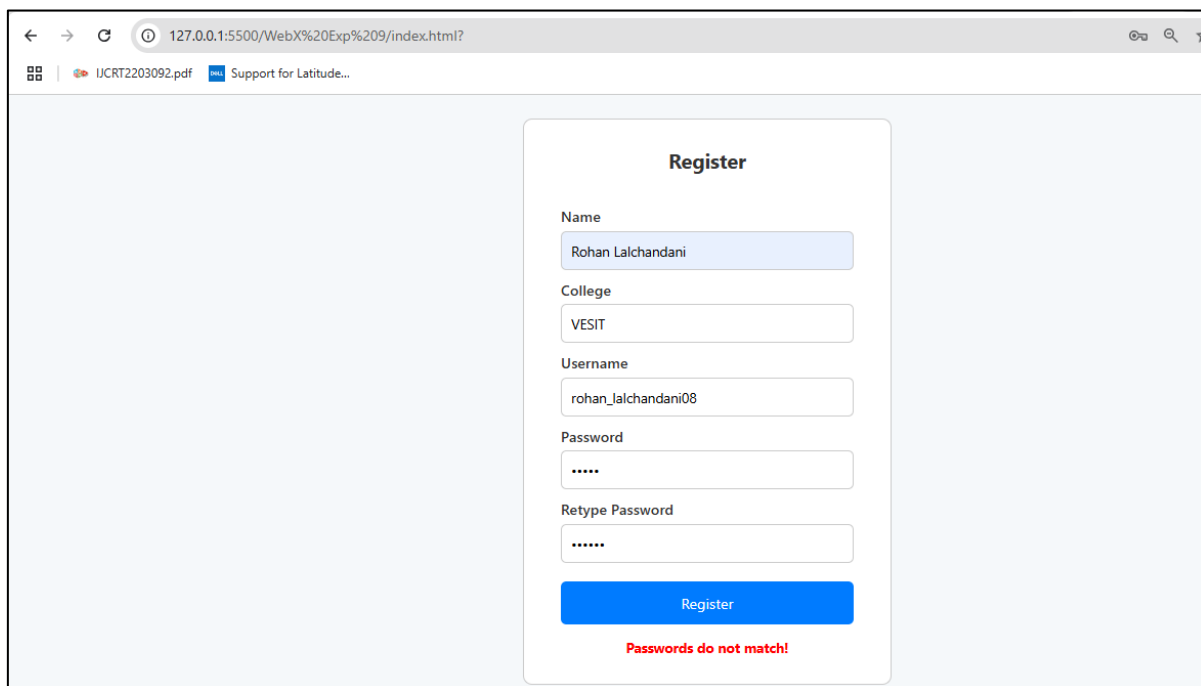

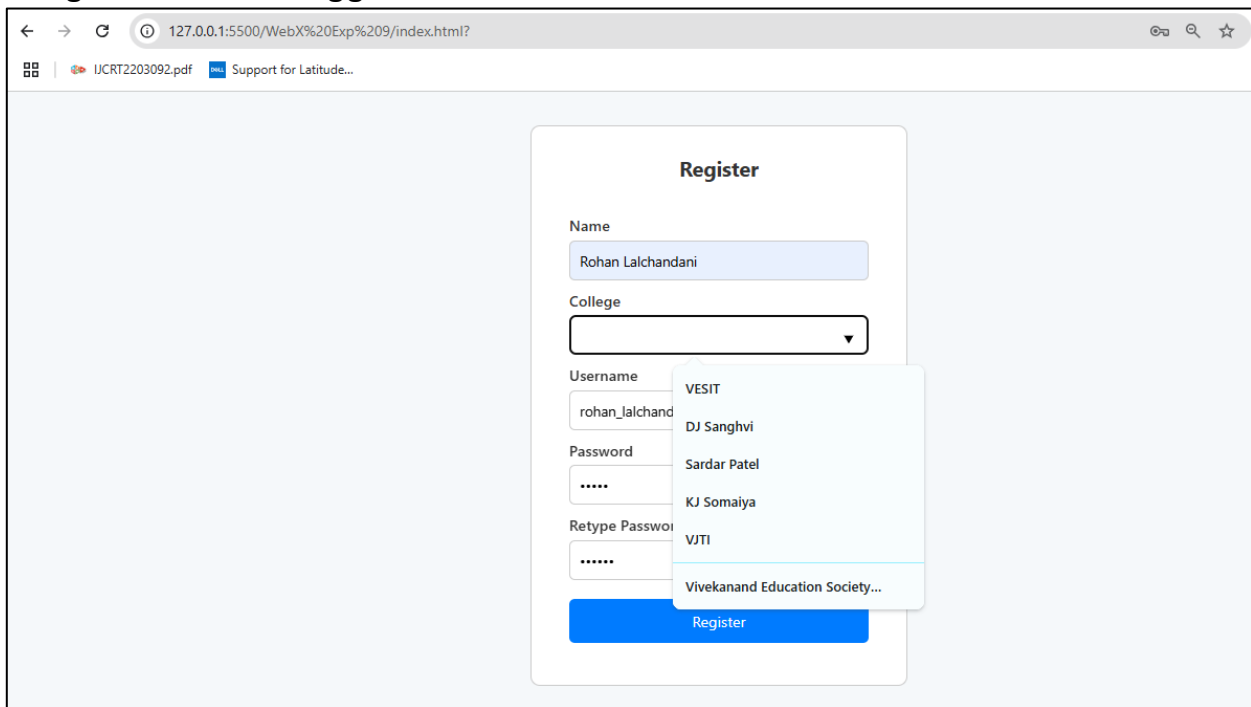This screenshot validates that the **Username is not already in use**, preventing duplicate entries

c)Password Match Confirmation

This screenshot confirms that the Password and Re-typed Password match, ensuring data integrity.

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d) College Name Auto-suggestion

This screenshot demonstrates the **auto-suggestion feature for the College field**, where users can choose from suggested college names.

CONCLUSION:

The experiment successfully demonstrated the use of the **XMLHttpRequest object** to implement **AJAX-based asynchronous form submission and validation**. Key features such as **form field validation**, **duplicate username detection**, **password match checking**, and **college name auto-suggestions** were efficiently implemented without reloading the page. This experiment highlighted the effectiveness of **AJAX in enhancing user experience** by allowing **dynamic content updates** and **real-time feedback** during user interaction.