Experiment – 9: AJAX

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Class Roll No	**D15A_40**
D.O.P.	**03/04/2025**
D.O.S.	**10/04/2025**
Sign and Grade	

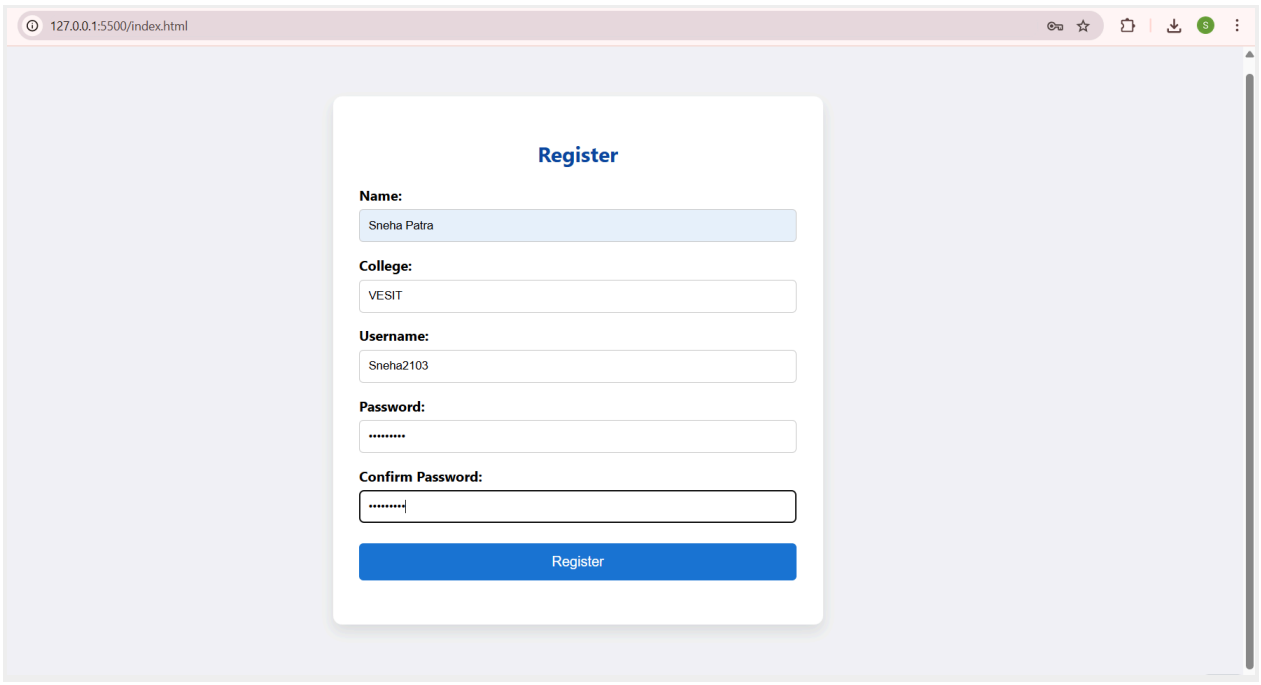
Aim: To study AJAX

Problem Statement:

Create a registration page having fields like Name, College, Username and Password (read password twice).
Validate the form by checking for
1. Usernameis not same as existing entries
2. Name field is not empty
3. Retyped password is matching with the earlier one. Prompt a message is
And also auto suggest college names.
Show the message "Successfully Registered" on the same page below the submit button, on Successfully registration. Let all the updations on the page be Asynchronously loaded. Implement the same using XMLHttpRequest Object.

Output:

Screenshot of Output


127.0.0.1:5500/index.html
Register
Name:
Sneha Patra
College:
VESIT
Username:
Sneha2103
Password:
Confirm Password:
Register

Register

Name:

Name cannot be empty.

College:

VESIT

Username:

sneha_123

Password:

••••

Confirm Password:

••••

Register

Register

Name:

Sneha Patra

College:

- VESIT
- IIT Bombay
- VIT
- MIT
- BITS Pilani
- University of Mumbai

Username:

Sneha2103

Password:

••••

Confirm Pass

••••

Register

Register

Name:

Sneha Patra

College:

VESIT

Username:

sneha123

Username already taken.

Password:

•••

Confirm Password:

•••

Register

Register

Name:

Sneha Patra

College:

VESIT

Username:

sneha123

Password:

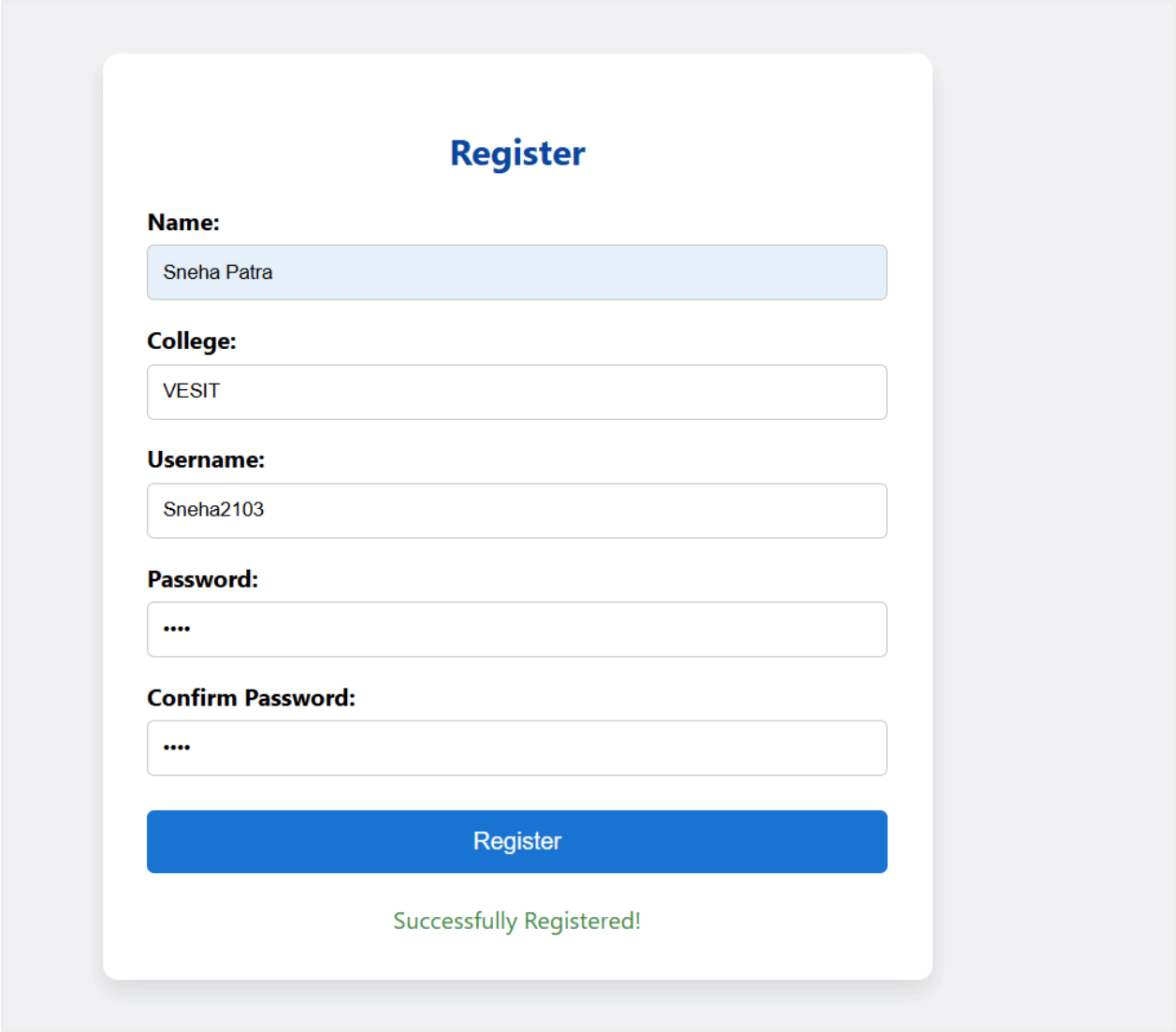
••••

Confirm Password:

•••

Passwords do not match.

Register



Conclusion:

Synchronous requests block the browser, while asynchronous requests run in the background without interrupting the user. `XMLHttpRequest` provides methods to make these requests and properties to handle responses, forming the base of AJAX functionality.