

Experiment – 9: AJAX

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Aim: To study AJAX

Theory:

- How do Synchronous and Asynchronous Requests differ?
Synchronous requests block code execution until a response is received, while **Asynchronous** requests allow the program to continue running without waiting for the response.
- Describe various properties and methods used in XMLHttpRequest Object?
`readyState`: Holds the status of the XMLHttpRequest.
`status`: HTTP status code returned by the server.
`responseText`: Response data as a string.

Problem Statement:

Create a registration page having fields like Name, College, Username and Password (read password twice).

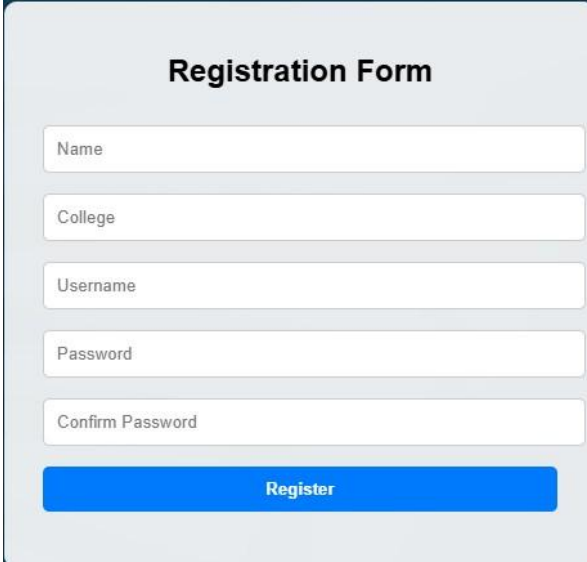
Validate the form by checking for

1. Username is 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 Successful registration. Let all the updations on the page be Asynchronously loaded. Implement the same using XMLHttpRequest Object.

4. **Output:**



The image shows a web form titled "Registration Form" with a light gray background and rounded corners. It contains five input fields stacked vertically, each with a light gray border and a white background. The labels for the fields are "Name", "College", "Username", "Password", and "Confirm Password", positioned to the left of the input area. Below the input fields is a solid blue button with the word "Register" in white text, centered on the button.

Registration Form

Name

College

Username

Password

Confirm Password

Register