

SIGNUP PAGE(JavaScript) – DOCUMENTATION

1. PURPOSE

This signup page is designed to collect user registration details and validate them on the client side before submission. The goal is to ensure that all required fields are correctly filled and formatted, preventing invalid data entry.

2. SCOPE

The page works entirely on the front end using HTML for structure, CSS for styling, and JavaScript for validation. There is no backend processing or database connection involved.

3. COMPONENTS OVERVIEW

The signup page consists of a form container, input fields for user information, a dropdown to select user type, and a submit button. JavaScript controls form submission and validation logic.

4. FORM FIELDS DESCRIPTION

First Name

Used to capture the user's first name. This field is mandatory and cannot be left empty.

Last Name

Used to capture the user's last name. This field is mandatory and cannot be left empty.

Email

Used to capture the user's email address. The input must follow a valid email format using pattern validation.

Mobile Number

Used to capture the user's mobile number. The value must contain exactly 10 digits and must include only numeric characters.

Password

Used to capture the user's password. The password must be at least 6 characters long.

Confirm Password

Used to confirm the password entered by the user. This value must exactly match the password field.

User Type

A dropdown field allowing the user to select a role. The user must choose either Student or Admin.

5. VALIDATION RULES

All fields are mandatory

Email must follow a valid email format

Mobile number must be exactly 10 digits

Password must be at least 6 characters

Password and confirm password must match

User type must be selected

If any validation rule fails, the form submission is stopped and an error message is displayed.

6. FORM SUBMISSION PROCESS

When the user clicks the submit button, the default form submission is prevented.

All input values are read and trimmed to remove extra spaces.

Validation checks are applied one by one.

If any check fails, submission is halted and the user is notified.

If all validations pass, a success message is shown and the form is reset.

7. STYLING DESCRIPTION

The page uses a clean and minimal design.

The form is centered on the screen inside a card-style container.

Rounded corners and a shadow effect are applied for better appearance.

Input fields and buttons are styled consistently for usability.

Hover effects are applied to the submit button to enhance user interaction.

8. LIMITATIONS

Error messages are displayed using alert popups instead of inline messages.

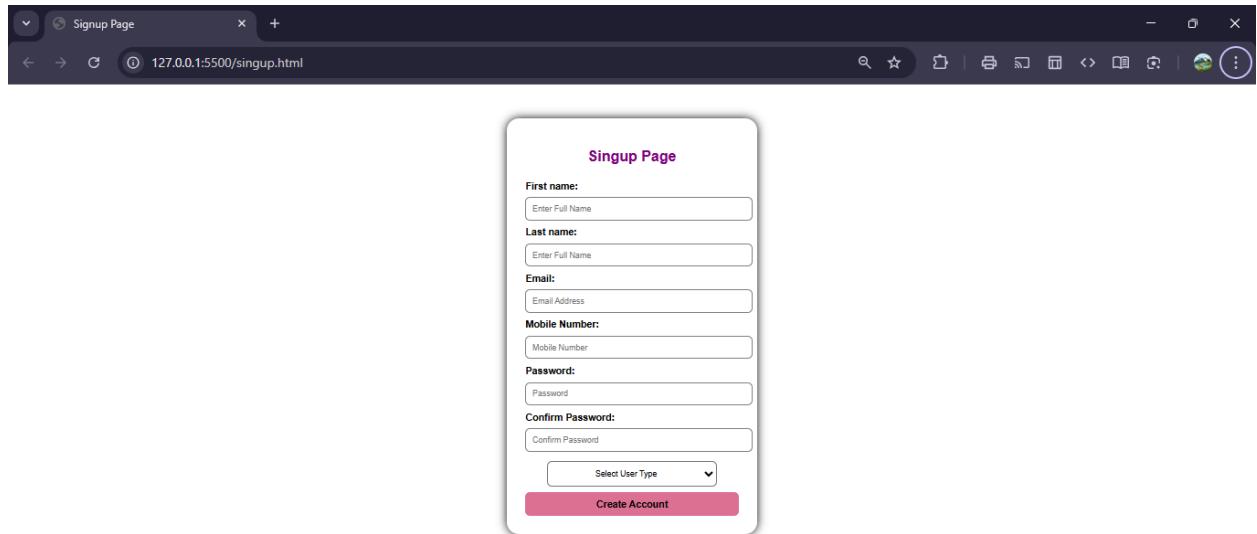
Field naming is not optimized for scalability or maintainability.

Accessibility features such as proper label associations are missing.

The page does not store or transmit data to any backend system.

9. CONCLUSION

This signup page provides basic client-side validation and a simple user interface suitable for learning purposes or small projects. While functional, it requires improvements in structure, accessibility, and user experience to meet real-world application standards.



The screenshot shows a web browser window titled "Signup Page". The address bar displays the URL "127.0.0.1:5500/signup.html". The main content area contains a form titled "Signup Page" with the following fields:

- First name:
- Last name:
- Email:
- Mobile Number:
- Password:
- Confirm Password:
- Select User Type:
- Create Account: