


## JavaScript DOM

1. Your client needs a feature to upload a profile picture on their website. Your task is to create an "input type=file" element that allows users to select images. Once an image is uploaded, display a preview of the selected image below the file input. You are required to achieve this using JavaScript DOM manipulation.

### Update Profile Picture

No file chosen

#### Your Profile Pictiure

 No Profile Picture

### Update Profile Picture

download.png

#### Your Profile Pictiure



2. You have been assigned a task to implement a theme toggle feature for a website. The website currently displays which mode it is in (either "Dark Mode" or "Light Mode") and has a toggle button. The challenge is to use DOM manipulation to toggle the theme between dark and light modes when the button is clicked.

**This is Light Mode**

Toggle Theme

**This is Dark Mode**

Toggle Theme

3. You are tasked with building a simple web counter that displays two buttons: "+" and "-". When the user clicks the "+" button, the counter should increment by one, and when the user clicks the "-" button, the counter should decrement by one. If the counter goes below zero, you must notify the user through an alert.

**Counter**

+ 0 -

**Counter**

+ 0 -

127.0.0.1:5500 says  
Counter is going beyond 0.

OK

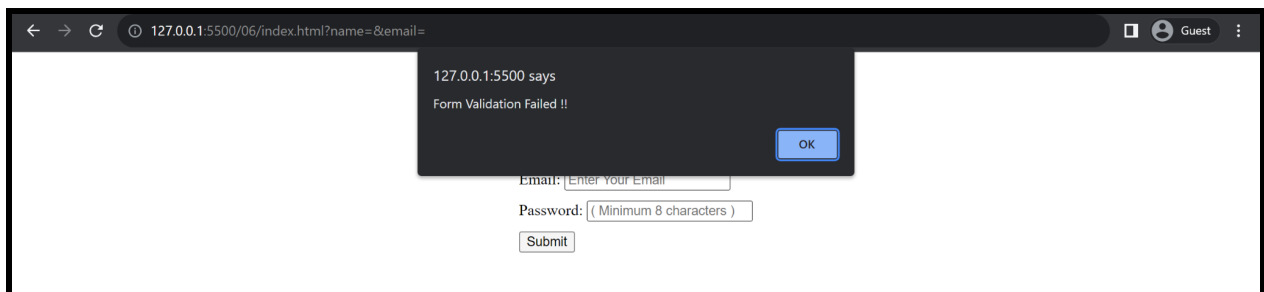
4. You are tasked to create form validation using JS DOM. Ensure that the username must be at least 3 characters long, and the password must be at least 8 characters long. On form submission, display an alert stating "Form Validation successful" if the conditions are met, otherwise, show "Form Validation failed." Remember, on form submission, the webpage must not be reloaded.

## Sign Up Form

Name:

Email:

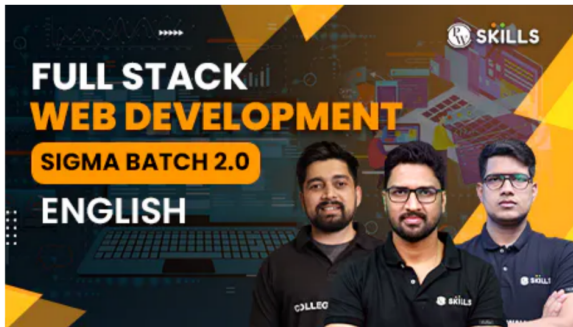
Password:



5. Your task is to implement an image toggle using JS DOM.  
Create a heading to display the current state of the image and a toggle button. When the button is clicked, if the image is hidden, make it visible, and update the message accordingly. If the image is visible, hide it, and update the message accordingly.

**Your Image is visible.**

Toggle Image



**Your Image is hidden.**

Toggle Image

6. Your task is to use JS DOM to create a heading element and a dropdown element. You have an array of options, and you need to loop through them, adding each option as a dropdown item. Below are the reference images.

Which is favorite Programming Language :

JavaScript

JavaScript

Java

Python

C++

7. You are tasked to create an input field and a list of items. As the user types in the input field, dynamically filter the list to show only items that match the input. Making sure the list updates in real-time as the user types.

Search for items

**Results:**

- HTML
- CSS
- Tailwind CSS
- GitHub
- JavaScript

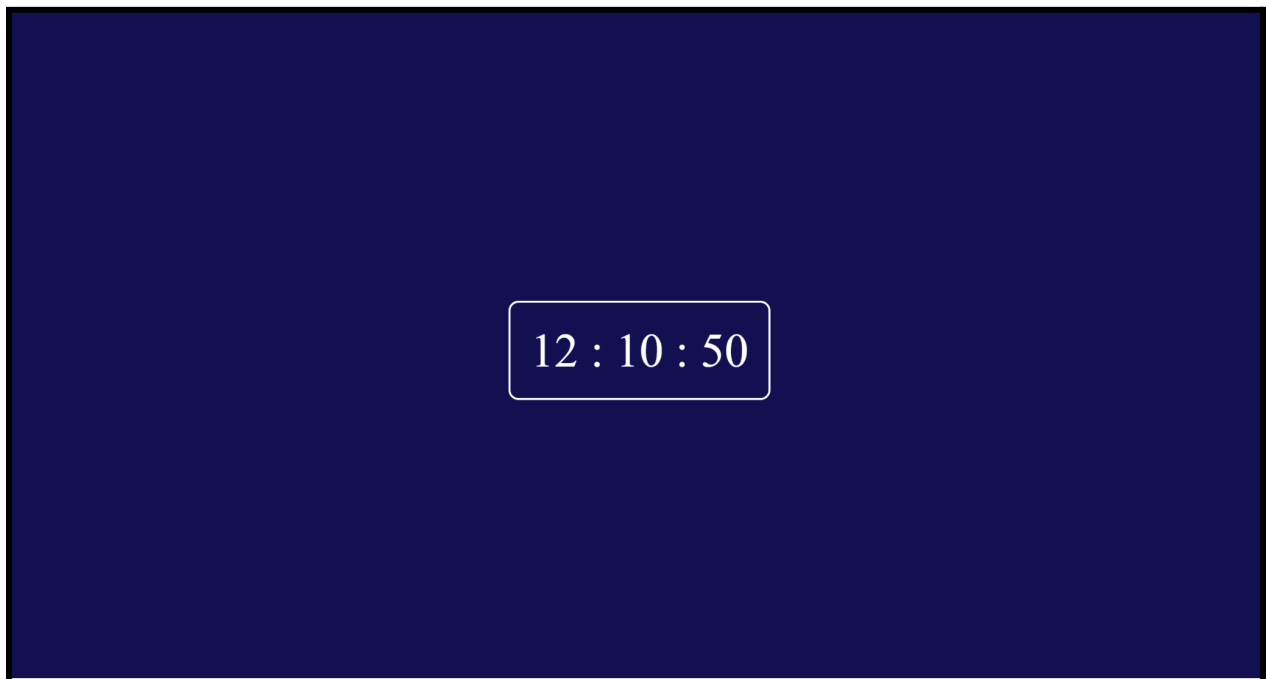
cs

**Results:**

CSS

Tailwind CSS

8. Your task is to create a webpage that displays the time in hours, minutes, and seconds in the center of the screen. Format the time to have 2 digits for hours, minutes, and seconds, and use the time's values to assign a hex code to the background. The timer should update in real-time without any user interaction. For Example: If the time is 12:10:50 the background color of the webpage will have the hex code “#121050”.



9. Your task is to create a simple webpage with two buttons: "Login" and "Logout." When the "Login" button is clicked, the

user's authentication status should be stored in localStorage. When the "Logout" button is clicked, the authentication status should be removed from localStorage. Additionally, display a heading below the buttons to indicate whether the user is logged in or not.

Login Logout

**User Has Not logged In**

Login Logout

**User is logged In**