Here’s a detailed assignment for the "Forms" topic, focusing on building a basic form to collect user data:

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## \*\*Assignment: Build a Basic User Data Form\*\*

### \*\*Objective\*\*

The objective of this assignment is to practice creating forms in HTML. You will learn how to use various form elements to collect user data effectively.

### \*\*Task Description\*\*

You are required to create a basic HTML form that collects user information, including the user's name, email address, and a message. The form should include appropriate input fields, labels, and a submit button.

### \*\*Requirements\*\*

1. \*\*Form Structure\*\*:

- Use the `<form>` element to create the form. Ensure that the `action` attribute points to a URL where the form data will be sent (you can use a placeholder like `"#"`).

- Include a `<label>` element for each input field, which provides a description of the field.

2. \*\*Input Fields\*\*:

- \*\*Name Field\*\*:

- Use an `<input>` element with `type="text"` for the user's name.

- Ensure it has a `placeholder` attribute to indicate what information is expected.

- \*\*Email Field\*\*:

- Use an `<input>` element with `type="email"` for the user's email address.

- Include a `placeholder` attribute for guidance.

- \*\*Message Field\*\*:

- Use a `<textarea>` element for the user to enter their message. This should be larger than a typical input field.

- Add a `placeholder` attribute to provide a hint about what to write.

3. \*\*Submit Button\*\*:

- Include a submit button using an `<input>` element with `type="submit"`.

- The button should have a value attribute that specifies the text displayed on the button (e.g., "Submit").

### \*\*Example Structure\*\*

Here is an example of how your form might look in HTML:

```html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>User Data Form</title>

<style>

form {

max-width: 400px;

margin: auto;

padding: 20px;

border: 1px solid #ccc;

border-radius: 5px;

}

label {

display: block;

margin-bottom: 5px;

}

input, textarea {

width: 100%;

padding: 10px;

margin-bottom: 15px;

border: 1px solid #ccc;

border-radius: 4px;

}

input[type="submit"] {

background-color: #4CAF50;

color: white;

border: none;

cursor: pointer;

}

input[type="submit"]:hover {

background-color: #45a049;

}

</style>

</head>

<body>

<h2>Contact Us</h2>

<form action="#" method="post">

<label for="name">Name:</label>

<input type="text" id="name" name="name" placeholder="Your name" required>

<label for="email">Email:</label>

<input type="email" id="email" name="email" placeholder="Your email" required>

<label for="message">Message:</label>

<textarea id="message" name="message" rows="4" placeholder="Your message" required></textarea>

<input type="submit" value="Submit">

</form>

</body>

</html>

```

### \*\*Submission Guidelines\*\*

- Submit your HTML file (`index.html`) that includes the user data form as specified.

- Ensure your code is properly formatted and follows best practices for HTML structure.

- Test your form to ensure that it collects data correctly and displays properly in the browser.

### \*\*Evaluation Criteria\*\*

- Correct implementation of the `<form>`, `<label>`, `<input>`, and `<textarea>` elements.

- Inclusion of placeholder text and required attributes where applicable.

- Overall organization and clarity of the HTML document.

- Visual presentation and usability of the form.

### \*\*Additional Tips\*\*

- Validate your HTML using an HTML validator to check for any errors.

- Consider adding simple JavaScript for form validation or to enhance user experience if you're familiar with it.

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This assignment provides clear instructions and examples to guide students in creating a functional form in HTML while emphasizing the importance of usability and accessibility.