



WEB PROGRAMMING LAB EXERCISE-HTML [FORMS]

Lab assignment questions focused on HTML Forms

1. User Login and Password Reset Form

Create a login form:

- Fields: Username, Password (masked input), and a "Forgot Password?" link.
- Include a password reset form with fields for Email, New Password, and Confirm Password.

Bonus Challenge:

- Add a password strength meter for the new password.

Sample Answer to Q1.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Login and Password Reset Form</title>
</head>
<body>
  <h1>User Login</h1>
  <form action="/login" method="post">
    <!-- Username -->
    <label for="username">Username:</label><br>
    <input type="text" id="username" name="username" required<br><br>

    <!-- Password -->
    <label for="password">Password:</label><br>
    <input type="password" id="password" name="password" required<br><br>

    <!-- Login Button -->
    <button type="submit">Login</button><br><br>

    <!-- Forgot Password Link -->
    <a href="#reset-password">Forgot Password?</a>
  </form>

  <hr>

  <!-- Password Reset Section -->
  <h2 id="reset-password">Reset Password</h2>
  <form action="/reset-password" method="post">
    <!-- Email -->
    <label for="reset-email">Email:</label><br>
    <input type="email" id="reset-email" name="reset-email" placeholder="example@domain.com"
required<br><br>

    <!-- New Password -->
    <label for="new-password">New Password:</label><br>
    <input type="password" id="new-password" name="new-password" required<br><br>

    <!-- Confirm Password -->
    <label for="confirm-password">Confirm Password:</label><br>
    <input type="password" id="confirm-password" name="confirm-password" required<br><br>

    <!-- Reset Password Button -->
    <button type="submit">Reset Password</button>
  </form>
</body>
```



</html>

Output:

User Login

Username:

Password:

[Forgot Password?](#)

Reset Password

Email:

New Password:

Confirm Password:

2. Registration Form for an Online Event

Create a registration form for an online event:

- Fields: Full Name, Email, Phone Number, Gender (radio buttons), Age Group (dropdown menu), Topics of Interest (checkboxes).
- Add a textarea for additional comments.
- Include a "Register" button.

Bonus Challenge:

- Make the email field validate the input for proper email format using HTML attributes.

3. Feedback Form with Star Ratings

Design a feedback form for a website:



- Fields: Name, Email, Rate the Website (1-5 stars using radio buttons), Feedback (textarea).
- Add a dropdown menu to select the type of feedback (e.g., Suggestion, Bug Report, Compliment).
- Include a "Submit" and "Reset" button.

Bonus Challenge:

- Add a "Would you recommend us?" question with Yes/No radio buttons.
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4. Multi-Page Application Form

Create a multi-page application form for a job application:

1. **Page 1:** Personal Details (Name, Address, Contact Info).
2. **Page 2:** Educational Background (fields for Degree, Year of Passing, and Institution Name).
3. **Page 3:** Work Experience (fields for Company Name, Designation, and Duration).
4. Add "Next" and "Previous" buttons to navigate between pages.

Bonus Challenge:

- Include a file upload option to allow users to attach their resumes.
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5. Dynamic Product Order Form

Create a product order form for an e-commerce website:

- Fields: Customer Name, Email, Address, Product (dropdown menu), Quantity (number input), and Delivery Preferences (radio buttons for Standard or Express).
- Display the total price dynamically based on the selected product and quantity.

Bonus Challenge:

- Add an "Apply Coupon" field with a button to calculate the discount.
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6. Health Survey Form

Build a health survey form:

- Fields: Name, Age, Gender (radio buttons), Height, Weight, and Lifestyle Questions (checkboxes).



- Include dropdowns for dietary preference (e.g., Vegetarian, Non-Vegetarian) and activity level (e.g., Sedentary, Moderate, Active).

Bonus Challenge:

- Add a section for optional health concerns using a textarea.
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7. Travel Booking Form

Design a travel booking form:

- Fields: Full Name, Contact Information, Destination (dropdown menu), Travel Dates (date input), Number of Travelers, and Travel Class (radio buttons: Economy, Business, First Class).
- Add a checkbox to opt for travel insurance.

Bonus Challenge:

- Include a field to calculate the total cost based on the number of travelers and travel class.
-

8. Online Quiz Submission Form

Create a form for submitting an online quiz:

- Fields: Name, Email, and Questions (multiple choice using radio buttons or checkboxes).
- Include a submit button to complete the quiz.

Bonus Challenge:

- Add a timer using placeholder text for users to know the remaining time.
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9. Hotel Booking Form

Create a form to book a hotel room:

- Fields: Name, Contact Info, Check-in Date, Check-out Date, Number of Guests, Room Type (dropdown: Single, Double, Suite).
- Include checkboxes for additional services (e.g., Breakfast, Airport Pickup).

Bonus Challenge:



- Calculate and display the total cost dynamically based on the number of guests, room type, and selected services.
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10. Customizable Form Template

Design a form template that users can customize:

- Include fields for Form Name, Number of Input Fields, Field Types (dropdown: Text, Email, Number, Date), and Field Labels.
- Dynamically generate a preview of the form based on user inputs.

Bonus Challenge:

- Allow users to reorder fields using an interactive method.
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Extra Challenges

1. Use input validation attributes like `required`, `min`, `max`, and `pattern`.
2. Include placeholder text for better UX.
3. Add accessibility features with `aria-label` and `aria-describedby`.