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<!-- index.html -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>User Registration</title>
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <div class="container mt-5">
    <h1 class="mb-4">User Registration</h1>
    <form id="registrationForm" class="needs-validation" novalidate>
      <div class="form-group">
        <label for="username">Username:</label>
        <input type="text" class="form-control" id="username" name="username" required>
        <div class="invalid-feedback">Please enter a username.</div>
      </div>

      <div class="form-group">
        <label for="email">Email:</label>
        <input type="email" class="form-control" id="email" name="email" required>
        <div class="invalid-feedback">Please enter a valid email address.</div>
      </div>

      <div class="form-group">
        <label for="password">Password:</label>
        <input type="password" class="form-control" id="password" name="password" required>
        <div class="invalid-feedback">Please enter a password.</div>
      </div>

      <button type="button" class="btn btn-primary" onclick="registerUser()">Register</button>
      <p id="result" class="mt-3"></p>
    </form>
  </div>

  <script src="registration.js"></script>
</body>
</html>
```