

The system: A social network registration form

Functional Requirements:

The system must:

- Provide fields to gather information on the user for registration.
- Register the user in the network if all data is validated and correct.
- Check if the provided passwords in two "password" fields match each other..
- Check if the correct email is provided (in terms of the format).
- Check if the provided "username" is not used previously.

Non-Functional Requirements:

Usability Requirements:

The system should:

- Include the "Username", "Email", "Password", "Confirm password" fields, and the blue "Sign Up" button.
- Be presented as a form in the middle of the screen containing all the fields and the "Sign Up" button.
- Notify the user in the case that something is not satisfied (for example, "passwords" don't match, or email format is incorrect).

Reliability Requirements:

The system should:

- Be available 24/7.
- Have a failure rate of no more than 1 in 50 attempts.

Performance Requirements:

The system should:

- Register user in case of success in no more than 500 ms.

Supportability Requirements:

The system should:

- Be presented "as is" with no variations or customization options.

Web design:

The form should contain in order from top to bottom:

- 1) bold "Register" label on the top
 - 2) "Username" field with the placeholder "Enter your username" and "Username" label on top of it, related
 - 3) "Email" field with the placeholder "Enter your email" and "Email" label on top of it, related
 - 4) "Password" field with the placeholder "Create a password" and "Password" label on top of it, related
 - 5) "Confirm Password" field with the placeholder "Confirm your password" and "Confirm Password" label on top of it, related
 - 6) The blue button with text "Sign Up" in it
-

index.html:

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

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

```
  <title>Social Network Registration</title>
```

```
  <link rel="stylesheet" href="styles.css">
```

```
</head>
```

```
<body>
```

```
  <form class="registration-form" id="registrationForm">
```

```
    <h2>Register</h2>
```

```
    <div class="form-group">
```

```
      <label for="username">Username</label>
```

```
      <input type="text" id="username" name="username" placeholder="Enter your  
username" required>
```

```
    </div>
```

```
    <div class="form-group">
```

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

```
      <input type="email" id="email" name="email" placeholder="Enter your email"  
required>
```

```
</div>

<div class="form-group">

  <label for="password">Password</label>

  <input type="password" id="password" name="password" placeholder="Create a
password" required>

</div>

<div class="form-group">

  <label for="confirm-password">Confirm Password</label>

  <input type="password" id="confirm-password" name="confirm-password"
placeholder="Confirm your password" required>

</div>

<button type="submit" class="submit-btn">Sign Up</button>

</form>

<script src="scripts.js"></script>

</body>

</html>
```

styles.css:

```
body {

  font-family: Arial, sans-serif;

  background-color: #f4f4f9;

  margin: 0;

  padding: 0;

  display: flex;

  justify-content: center;

  align-items: center;
```

```
    height: 100vh;  
}
```

```
.registration-form {  
    background: #fff;  
    padding: 20px 30px;  
    border-radius: 10px;  
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);  
    width: 100%;  
    max-width: 400px;  
}
```

```
.registration-form h2 {  
    margin-bottom: 20px;  
    color: #333;  
    text-align: center;  
}
```

```
.form-group {  
    margin-bottom: 15px;  
}
```

```
.form-group label {  
    display: block;  
    margin-bottom: 5px;  
    font-weight: bold;
```

```
    color: #555;
}
```

```
.form-group input {
    width: 100%;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
    font-size: 14px;
}
```

```
.form-group input:focus {
    border-color: #007bff;
    outline: none;
    box-shadow: 0 0 5px rgba(0, 123, 255, 0.5);
}
```

```
.form-group .form-help {
    font-size: 12px;
    color: #666;
}
```

```
.submit-btn {
    background: #007bff;
    color: #fff;
    border: none;
```

```
padding: 10px 15px;

border-radius: 5px;

font-size: 16px;

cursor: pointer;

width: 100%;

transition: background 0.3s ease;

}
```

```
.submit-btn:hover {

    background: #0056b3;

}
```

```
.footer {

    text-align: center;

    margin-top: 15px;

    font-size: 14px;

    color: #555;

}
```

```
.footer a {

    color: #007bff;

    text-decoration: none;

}
```

```
.footer a:hover {

    text-decoration: underline;

}
```

```
}
```

scripts.js:

```
document.getElementById('registrationForm').addEventListener('submit', function(event) {  
    event.preventDefault();  
  
    const username = document.getElementById('username').value;  
    const email = document.getElementById('email').value;  
    const password = document.getElementById('password').value;  
    const confirmPassword = document.getElementById('confirm-password').value;  
  
    if (password !== confirmPassword) {  
        alert('Passwords do not match! Please try again.');        return;  
    }  
  
    alert(`Registration successful! Welcome, ${username}`);  
});
```