SMARTBRIDGE EXTERNSHIP Modern Application Development (Java Spring Boot)

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Creating a form using HTML, CSS (JS also included for validation)

HTML CODE:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <!-- <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.css"
integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css"> -->
    <link rel="stylesheet" type="text/css" href="form.css">
    <!-- <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-
q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script> -->
    <!-- <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/dist/umd/popper.min.js"
integrity="sha384-
UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script> -->
    <!-- <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/js/bootstrap.min.js"
integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"
crossorigin="anonymous"></script> --> --> --> -->
</head>
```

```html
<body>
    <div class="container">
        <div class="header">
            <h2>Create Account</h2>
        </div>
        <form id="form" class="form">
            <div class="form-control">
                <label for="username">Username</label>
                <input type="text" placeholder="florinpop17" id="username" />
                <i class="fa fa-check-circle"></i>
                <i class="fa fa-exclamation-circle"></i>
                <small>Error message</small>
            </div>
            <div class="form-control">
                <label for="username">Email</label>
                <input type="email" placeholder="a@florin-pop.com" id="email" />
                <i class="fa fa-check-circle"></i>
                <i class="fa fa-exclamation-circle"></i>
                <small>Error message</small>
            </div>
            <div class="form-control">
                <label for="age">Age</label>
                <input type="text" placeholder="20" id="age" />
                <i class="fa fa-check-circle"></i>
                <i class="fa fa-exclamation-circle"></i>
                <small>Error message</small>
            </div>
            <div class="form-control">
                <label for="number">Phone Number</label>
                <input type="text" placeholder="934465570" id="number" />
                <i class="fa fa-check-circle"></i>
                <i class="fa fa-exclamation-circle"></i>
                <small>Error message</small>
            </div>
            <div class="form-control">
                <label for="username">Password</label>
                <input type="password" placeholder="Password" id="password"/>
                <i class="fa fa-check-circle"></i>
                <i class="fa fa-exclamation-circle"></i>
                <small>Error message</small>
            </div>
            <div class="form-control">
```

```html
                <label for="username">Password check</label>
                <input type="password" placeholder="Password two" id="password2"/>
                <i class="fa fa-check-circle"></i>
                <i class="fa fa-exclamation-circle"></i>
                <small>Error message</small>
            </div>
            <button>Submit</button>
        </form>
    </div>

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

CSS CODE:

```css
* {
    box-sizing: border-box;
}

body {
    background-color: #9b59b6;
    font-family: 'Open Sans', sans-serif;
    display: flex;
    align-items: center;
    justify-content: center;
    min-height: 100vh;
    margin: 0;
}

 .container {
    background-color: #fff;
    border-radius: 5px;
    box-shadow: 0 2px 5px rgba(0, 0, 0, 0.3);
    overflow: hidden;
    width: 600px;
    max-width: 100%;
}

.header {
```

```css
    border-bottom: 1px solid #f0f0f0;
    background-color: #f7f7f7;
    padding: 20px 40px;
}

.header h2 {
    margin: 0;
}

.form {
    padding: 30px 40px;
}

.form-control {
    margin-bottom: 10px;
    padding-bottom: 20px;
    position: relative;
    height:100px;
    width:520px;
}

.form-control label {
    display: inline-block;
    margin-bottom: 5px;
}

.form-control input {
    border: 2px solid #f0f0f0;
    border-radius: 4px;
    display: block;
    font-family: inherit;
    font-size: 14px;
    padding: 10px;
    width: 100%;
}

.form-control input:focus {
    outline: 0;
    border-color: #777;
}

.form-control.success input {
```

```css
    border-color: #2ecc71;
}

.form-control.error input {
    border-color: #e74c3c;
}

.form-control i {
    visibility: hidden;
    position: absolute;
    top: 40px;
    right: 10px;
}

.form-control.success i.fa-check-circle {
    color: #2ecc71;
    visibility: visible;
}

.form-control.error i.fa-exclamation-circle {
    color: #e74c3c;
    visibility: visible;
}

.form-control small {
    color: #e74c3c;
    position: absolute;
    bottom: 0;
    left: 0;
    visibility: hidden;
}

.form-control.error small {
    visibility: visible;
}

.form button {
    background-color: #8e44ad;
    border: 2px solid #8e44ad;
    border-radius: 4px;
    color: #fff;
    display: block;
```

```css
    font-family: inherit;
    font-size: 16px;
    padding: 10px;
    margin-top: 20px;
    width: 100%;
}
```

JAVASCRIPT CODE:

```javascript
const form = document.getElementById('form');
const username = document.getElementById('username');
const email = document.getElementById('email');
const password = document.getElementById('password');
const password2 = document.getElementById('password2');
const number = document.getElementById("number");
const age = document.getElementById("age");

form.addEventListener('submit', e => {
    e.preventDefault();

    checkInputs();
});

function checkInputs() {
    // trim to remove the whitespaces
    const usernameValue = username.value.trim();
    const emailValue = email.value.trim();
    const passwordValue = password.value.trim();
    const password2Value = password2.value.trim();
    const numberValue = number.value.trim();
    const ageValue = age.value.trim();

    if(usernameValue === '') {
        setErrorFor(username, 'Username cannot be blank');
    } else {
        setSuccessFor(username);
    }
    if(numberValue.length!=10)
```

```javascript
        {
            setErrorFor(number,"Invalid Phone Number");
        }
        else
        {
            setSuccessFor(number);
        }
        if(ageValue.length!=2)
        {
            console.log(ageValue.length);
            setErrorFor(age,"Invalid Age");
        }
        else
        {
            setSuccessFor(age);
        }

        if(emailValue === '') {
            setErrorFor(email, 'Email cannot be blank');
        } else if (!isEmail(emailValue)) {
            setErrorFor(email, 'Not a valid email');
        } else {
            setSuccessFor(email);
        }

        if(passwordValue === '') {
            setErrorFor(password, 'Password cannot be blank');
        } else {
            setSuccessFor(password);
        }

        if(password2Value === '') {
            setErrorFor(password2, 'Password2 cannot be blank');
        } else if(passwordValue !== password2Value) {
            setErrorFor(password2, 'Passwords does not match');
        } else{
            setSuccessFor(password2);
        }
}

function setErrorFor(input, message) {
    const formControl = input.parentElement;
```

```javascript
    const small = formControl.querySelector('small');
    formControl.className = 'form-control error';
    small.innerText = message;
}


function setSuccessFor(input) {
    const formControl = input.parentElement;
    formControl.className = 'form-control success';
}


function isEmail(email) {
    return /^(([^<>()\[\]\\.,;:\s@"]+(\.[^<>()\[\]\\.,;:\s@"]+)*)|(".+"))@((\[[0-
9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}])|(([a-zA-Z\-0-9]+\.)+[a-zA-
Z]{2,}))$/.test(email);
}
// SOCIAL PANEL JS
const floating_btn = document.querySelector('.floating-btn');
const close_btn = document.querySelector('.close-btn');
const social_panel_container = document.querySelector('.social-panel-container');

floating_btn.addEventListener('click', () => {
    social_panel_container.classList.toggle('visible')
});

close_btn.addEventListener('click', () => {
    social_panel_container.classList.remove('visible')
});
```
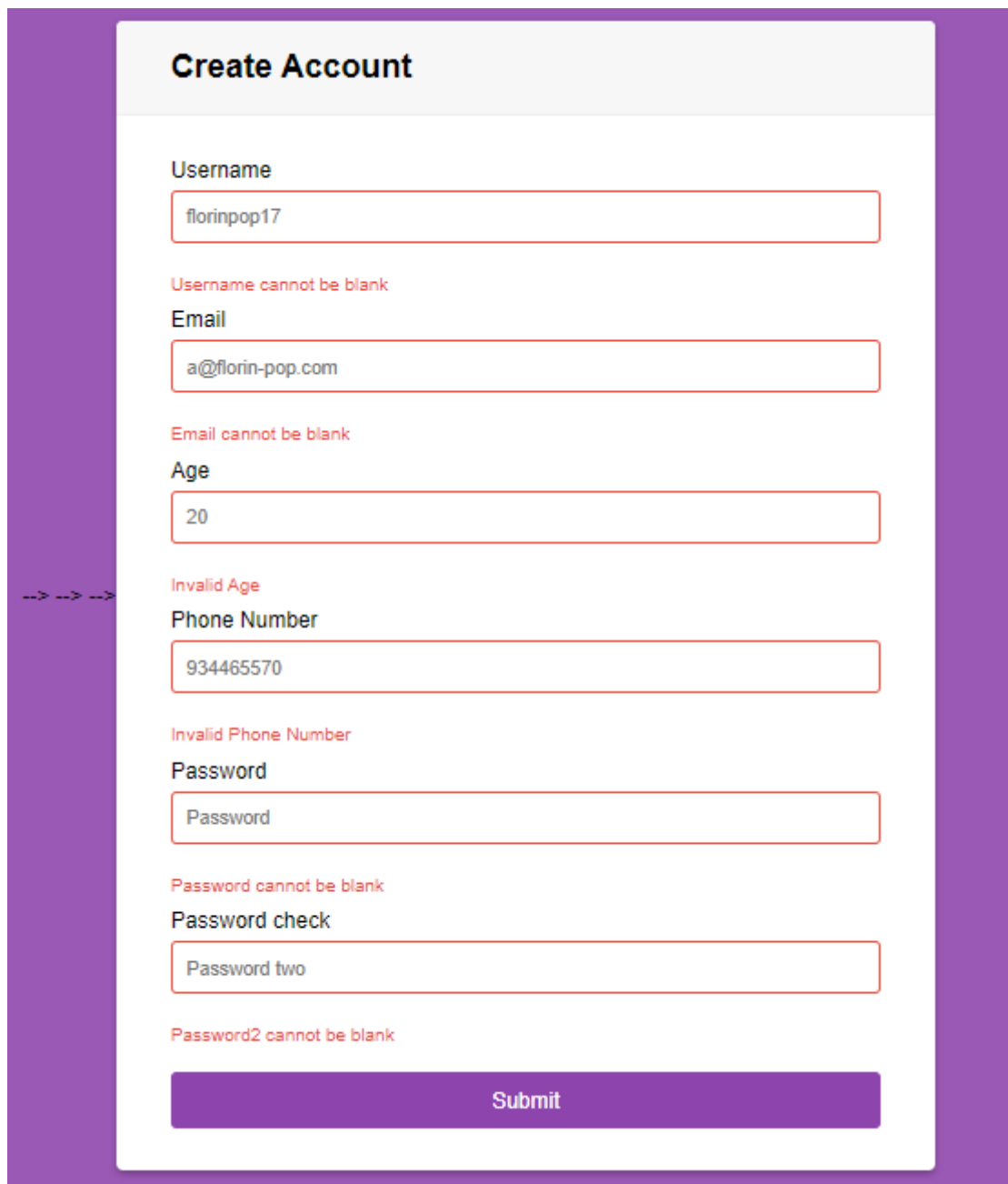
OUTPUT:

Create Account

Username

florinpop17

Email

a@florin-pop.com

Age

20

--> --> -->

Phone Number

934465570

Password

Password

Password check

Password two

Submit

When form is submitted empty:

Create Account

Username

florinpop17

Username cannot be blank

Email

a@florin-pop.com

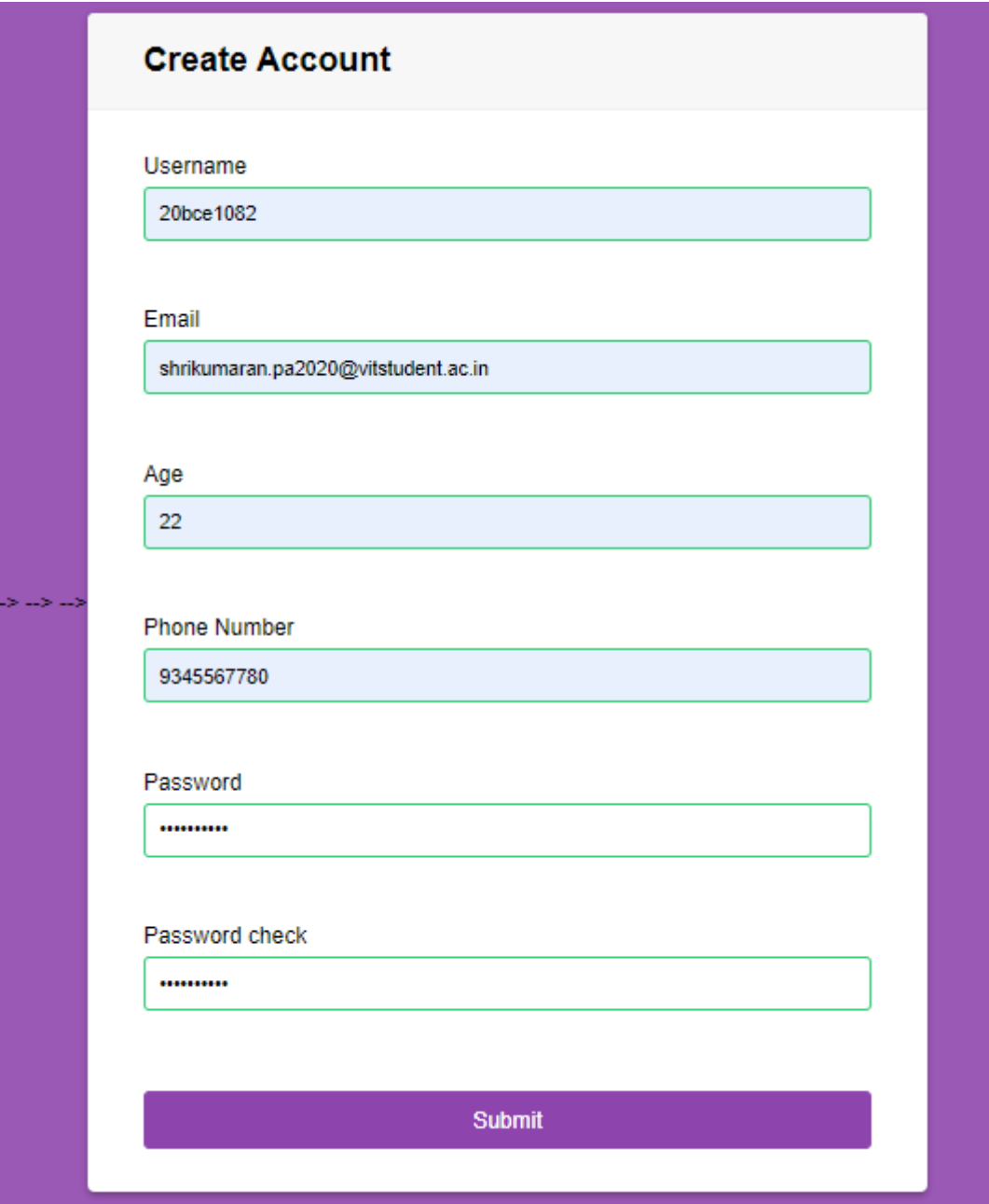Email cannot be blank

Age

20

Invalid Age

--> --> -->

Phone Number

934465570

Invalid Phone Number

Password

Password

Password cannot be blank

Password check

Password two

Password2 cannot be blank

Submit

When everything is entered correctly

THANK YOU!!