

EXPERIMENT 5

AIM: User input validation using regular expressions.

OBJECTIVE:

- To provide knowledge on developing web pages design and development.
- To understand how the HTML, CSS and JavaScript components of Bootstrap work.

OUTCOME:

Develop static web pages using HTML, CSS and Bootstrap.

Develop interactive web pages using JS.

Use React JS framework in web pages effectively.

PROGRAM CODE:

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 Form</title>
  <style>
    .error {
      color: red;
    }
  </style>
</head>

<body>
  <form id="registrationForm" onsubmit="return validateForm()">
    <label for="name">Name:</label><br>
```

```

    <input type="text" id="name" name="name" required><br><br>

    <label for="phone">Phone Number:</label><br>
    <input type="text" id="phone" name="phone" required><br><br>

    <label for="email">Email:</label><br>
    <input type="text" id="email" name="email" required><br>
    <div id="emailError" class="error"></div><br>

    <label for="address">Address:</label><br>
    <input type="text" id="address" name="address" required><br><br>

    <input type="submit" value="Register">
</form>

<script src="index.js"></script>
</body>

</html>

```

index.js

```

function validateEmail(email)
{
    const emailPattern = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
    return emailPattern.test(email);
}

function validateForm()
{
    const email = document.getElementById('email').value;
    const emailError = document.getElementById('emailError');

    emailError.innerText = '';

    if (!validateEmail(email))
    {

```

```
        emailError.innerText = 'Domain name not included';  
        return false;  
    }  
    return true;  
}
```

OUTPUT:

Name:

Ali Hasan

Phone Number:

08125694823

Email:

ah14hasan

Domain name not included

Address:

Behind Chirec Public Sc

Register