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**Course Code :** UI8ITI6203

**Course Title :** Web Technologies

## **LAB EXERCISE 2**

### **JavaScript**

**Program:**

**Index.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>Albert Einstein</title>
  <link rel="stylesheet" href="Albertstyle.css">
</head>
<body>
  <header>

  <h2>Albert Einstein</h2>
  <div class="action">
    <a href="#tribute">Tributes</a>
    <a href="#contact">contact</a>
  </div>
```

</header>

<div class="forms" >

<form id="form" action="#">

<div class="input-control">

<label for="name">Name</label>

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

<div class="error"></div>

</div>

<div class="input-control">

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

<input id="email" name="email" type="text">

<div class="error"></div>

</div>

<div class="input-control">

<label for="country">Country</label>

<input id="country" name="country">

<div class="error"></div>

</div>

<div class="input-control">

<label for="feedback">Feedback</label>

<input id="feedback" name="feedback">

<div class="error"></div>

</div>

<button type="submit">Submit</button>

```
</form>
</div>
<script>
  const form = document.getElementById('form');
const name = document.getElementById('name');
const email = document.getElementById('email');
const country = document.getElementById('country');
const feedback = document.getElementById('feedback');

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

  validateInputs();
});

const setError = (element, message) => {
  const inputControl = element.parentElement;
  const errorDisplay = inputControl.querySelector('.error');

  errorDisplay.innerText = message;
  inputControl.classList.add('error');
  inputControl.classList.remove('success')
}

const setSuccess = element => {
  const inputControl = element.parentElement;
```

```
const errorDisplay = inputControl.querySelector('.error');

errorDisplay.innerText = '';
inputControl.classList.add('success');
inputControl.classList.remove('error');
};

const isValidEmail = email => {
  const re = /^(([^<>()[\]\.\,\;\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,}))$)/;
  return re.test(String(email).toLowerCase());
}

const validateInputs = () => {
  const nameValue = name.value.trim();
  const emailValue = email.value.trim();
  const countryValue = country.value.trim();
  const feedbackValue = feedback.value.trim();

  if(nameValue === '') {
    setError(name, 'name is mandatory');
  } else {
    setSuccess(name);
  }

  if(emailValue === '') {
    setError(email, 'Email is required');
```

```
} else if (!isValidEmail(emailValue)) {  
    setError(email, 'Provide a valid email address');  
} else {  
    setSuccess(email);  
}  
  
if(countryValue === "") {  
    setError(country, 'country name is required');  
  
} else {  
    setSuccess(country);  
}  
  
if(feedbackValue === "") {  
    setError(feedback, 'feedback is necessary');  
} else {  
    setSuccess(feedback);  
}  
alert("form submitted successfully")  
  
};  
  
</script>  
</body>  
</html>
```

## **Albertstyle.css**

```
* {  
  box-sizing: border-box;  
  
  margin: 0;  
  
}  
body{  
  min-width: 1000px;  
}  
  
header{  
  box-sizing: border-box;  
  width: 100%;  
  height: 50px;  
  background-color: dimgrey;  
  position: fixed;  
  top: 0;  
  display: flex;  
  justify-content: space-between;  
  
}  
header img,.action{
```

```
margin: 0;
padding: 0;
}
header h2{
margin: auto;
padding-top: 10px;
text-align: center;
color: white;
}
```

```
.action{
/*position: absolute;
top: 0px;
right: 0px;*/
width: 300px;
height: 50px;
```

```
}
.action a{
float: left;
height: 50px;
width: 50%;
text-decoration: none;
```

```
border: 2px solid grey;
text-align: center;
padding-top: 15px;
background-color: black;
color: rgb(206, 207, 206);
font-size: larger;

}

.action a:hover{
    color: white;
}


.main {
margin-top: 60px;
align-items: center;
justify-content: center;
text-align: center;
padding: 20px;

}

#profession {
    margin-top: 0;
}

#color1
{
```



```
    color: blue;
    font-size: 40px;
}
#color2
{
    color: green;
    margin-bottom: 10px;
}
.content{
    width: 1000px;
    margin: auto;
    background-color: bisque;
    padding: 20px;
}
.content li{
    word-spacing: 5px;
    line-height: 20px;
    margin: 20px 0;
}
.indent
{
    margin-left: 35px;
    margin-top: 20px;
    margin-bottom: 20px;
}
#color
```

```
{
    font-size: 20px;
    color: purple;
}
#color a{
    color: blue;
    text-decoration: none;
}
#color a:hover
{
    text-decoration: underline;
}
.tributes{
    display: flex;
    flex-wrap: wrap;
    justify-content: center;
    align-items: center;
    margin: auto;
    background-color: #ccc;

}
.tributes div{

    margin: 30px;

}
```

```
.tributes img{
  width: 200px;
  height: 200px;
}

input[type=text], select, textarea {
  width: 100%;
  padding: 12px;
  border: 1px solid #ccc;
  border-radius: 4px;
  box-sizing: border-box;
  margin-top: 6px;
  margin-bottom: 16px;
}

button[type=submit] {
  background-color: #04AA6D;
  color: white;
  padding: 12px 20px;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}
```

```
.forms {  
  border-radius: 5px;  
  background-color: bisque;  
  padding: 20px;  
  margin-top: 80px;  
  margin: auto;  
  width: 1000px;  
}
```

```
.input-control {  
  display: flex;  
  flex-direction: column;  
}
```

```
.input-control input {  
  border: 2px solid #f0f0f0;  
  border-radius: 4px;  
  display: block;  
  font-size: 12px;  
  padding: 10px;  
  width: 100%;  
}
```

```
.input-control input:focus {  
  outline: 0;  
}
```

```
.input-control.success input {  
    border-color: #09c372;  
}
```

```
.input-control.error input {  
    border-color: #ff3860;  
}
```

```
.input-control .error {  
    color: #ff3860;  
    font-size: 9px;  
    height: 13px;  
}
```

```
@media screen and (max-width:590px) {  
    li  
    {  
        font-size: 20px;  
        margin: 20px 0;  
  
    }  
}
```

```
.indent  
  
{  
    font-size: 20px;  
    margin-top: 20px;  
    margin-bottom: 20px;
```

```
}
```

```
}
```

```
@media screen and (max-width:417px)
```

```
{
```

```
  .content li
```

```
{
```

```
  font-size: 30px;
```

```
  margin: 20px 0;
```

```
  line-height: 40px;
```

```
}
```

```
  .indent
```

```
{
```

```
  font-size: 30px;
```

```
  margin-top: 20px;
```

```
  margin-bottom: 20px;
```

```
}
```

```
  #color
```

```
{
```

```
  font-size: 30px;
```

```
}
```

```
}
```

## Output Screenshot:

Life events dataset...

Albert Einstein

Tributes contact

**Contact Us**

Name  
Dhivya R

Email  
abms

Please provide valid email address

Country  
Country name is required

Feedback  
Feedback is necessary

Submit

Type here to search

4:40 PM 4/18/2022

Life events dataset...

Albert Einstein

Tributes contact

**Contact Us**

Name  
Dhivya R

Email  
rameshjothi2002@gmail.com

Country  
India

Feedback  
No

Submit

This page says  
form submitted successfully

OK

Type here to search

4:41 PM 4/18/2022