

ASSIGNMENT-1

SMARTBRIDGE EXTERNSHIP MODERN APPLICATION DEVELOPMENT

(JAVA SPRING BOOT)

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Campus: VIT Vellore

Create one form with input and apply CSS for that.

HTML CODE:

```
<!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>User Details Form</title>
<link type="text/css" rel="stylesheet" href="form.css">
<link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@100;
20
0&display=swap" rel="stylesheet">
</head>
<body>
<div class="heading_bar">
<h1 id="heading">Student Registration Form</h1>
</div>
<div class="form_container">
<form id="form1">
<div class="form-group">
```

Name:* <input class="textbox" type="text" id="name" required>

</div>

<div class="form-group">

Age: <input class="textbox" type="text" id="age">

</div>

<div class="form-group">

College:* <input class="textbox"

type="text" id="clg" required>

</div>

<div class="form-group">

Program:*<input class="textbox"

type="text" id="pgm" required>

</div>

<div class="form-group">

Register Number:*<input class="textbox" type="text" id="reg" required>

</div>

<div class="form-group">

College email id:*<input class="textbox" type="text" inputmode="email" id="email" required>

</div>

<div class="form-group">

```
Phone number:<span class="coloured_text">*</span><input
class="textbox" type="text" id="pno" required><br>
</div>
<div class="form-group">
Academic year: <input class="textbox" type="text" id="year"><br>
</div>
<div class="form-group">
<input type="submit" value="SUBMIT" id="submit">
</div>
</form>
</div>
<script type="text/javascript" src="form.js"></script>
<script src="https://unpkg.com/xlsx/dist/xlsx.full.min.js"></script>
</body>
</html>
```

CSS CODE:

```
body{
    margin: 0;
}
.form_container {
display: flex;
justify-content: center;
align-items: center;
```

```
margin: 50px;
}
.textbox{
display: block;
justify-content: center;
margin-top: 10px;
width: 100%;
padding: 10px;
border: 1px solid #ccc;
border-radius: 4px;
}
.form-group{
display: block;
justify-content: center;
align-items: center;
width: 400px;
}
#submit {
padding: 10px 20px;
background-color: #4CAF50;
color: white;
border: none;
border-radius: 4px;
cursor: pointer;
}
```

```
.button{
display: flex;
justify-content: center;
}
.coloured_text{
color: red;
}
#heading{
display: flex;
justify-content: center;
}
#submit:hover{
background-color: #45a049;
}
.heading_bar{
background-color: rgba(208, 228, 27, 0.344);
padding: 10px;
margin: 0 auto;
}
```

JAVASCRIPT CODE:

```
const form = document.getElementById("form1");
form.addEventListener("submit", handleSubmit);
function handleSubmit(event){
```

```
event.preventDefault();
const name=document.getElementById('name').value;
const age= document.getElementById('age').value;
const college = document.getElementById('clg').value;
const program = document.getElementById('pgm').value;
const register = document.getElementById('reg').value;
const email = document.getElementById('email').value;
const phone = document.getElementById('pno').value;
const year = document.getElementById('year').value;
var errorMessage ="";
if(!validateEmail(email)){
errorMessage+= "Invalid email format.\n";
}
if (!validatePhone(phone))
{
errorMessage += "Invalid phone number.\n";
}
if (errorMessage !== "")
{
alert(errorMessage);
}
else {
const wb = XLSX.utils.book_new();
const ws = XLSX.utils.json_to_sheet([ {
Name: name,
```

```
Email: email,  
Age: age,  
College: college,  
Program: program,  
Registration_No: register,  
Phone_no: phone,  
Academic_year: year } ]]);  
XLSX.utils.book_append_sheet(wb, ws, 'Sheet1');  
XLSX.writeFile(wb, 'Student_data.xlsx');  
form.reset();  
}  
}  
function validateEmail(email){  
var re = /^[S+@\S+\.\S+]/;  
return re.test(email);  
}  
function validatePhone(phone) {  
var re = /^d{10}$/;  
return re.test(phone);  
}
```


OUTPUT : FORM IMAGE

Student Registration Form

Name:*

SOMURAJ K

Age:

21

College:*

VIT Vellore

Program:*

M.Tech

Register Number:*

20MIS0043

College email id:*

somuraj.k2020@vitstudent.ac.in

Phone number:*

9361926901

Academic year:

2020-2025

SUBMIT