

SMARTBRIDGE EXTERNSHIP Modern Application Development (Java Spring Boot)

Assignment – 1

by

Simple Form using HTML, CSS, JavaScript

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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:<span class="coloured_text">*</span> <input class="textbox"
type="text" id="name" required><br>
      </div>
```

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

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

```
</div>
```

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

```
College:<span class="coloured_text">*</span> <input class="textbox" type="text" id="clg" required><br>
```

```
</div>
```

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

```
Program:<span class="coloured_text">*</span><input class="textbox" type="text" id="pgm" required><br>
```

```
</div>
```

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

```
Register Number:<span class="coloured_text">*</span><input class="textbox" type="text" id="reg" required><br>
```

```
</div>
```

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

```
College email id:<span class="coloured_text">*</span><input class="textbox" type="text" inputmode="email" id="email" required><br>
```

```
</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);
}
```

Form Image:

Student Registration Form

Name:*

Age:

College:*

Program:*

Register Number:*

College email id:*

Phone number:*

Academic year:

SUBMIT