

create a Spring MVC application. The application should handle form validation, File upload, Session Tracking.

Aim:-

To develop a Spring MVC application. The application should handle form validation, file upload, session tracking.

Algorithm:-

- Step 1 : Start
- Step 2 : Open the Spring application, where we are going to perform file upload, session tracking and going to handle form validation.
- Step 3 : Create a class called Myuser where we are going to have name and age variables under public access specifier.
- Step 4 : Under the heading Index.jsp we are going to create a HTML table where we are getting values for Name and age.
- Step 5 : Then we have success.jsp where we are going to execute and validate the form we created.
- Step 6 : Home part we are going to do Spring form validation.
- Step 7 : In this part we upload a file.
- Step 8 : Then we are doing session tracking and mapping.
- Step 9 : Stop.

Program :-

MyUser

```
public class MyUser {
```

```
    @NotNull
```

```
    @Size(min=1, max=20)
```

```
    private String name;
```

```
    @Min(0)
```

```
    @Max(120)
```

```
    private int age;
```

```
    public MyUser(String name, int age) {
```

```
        this.name = name;
```

```
        this.age = age;
```

```
    }
```

```
    public MyUser() {
```

```
        name = "";
```

```
        age = 0;
```

```
    }
```

```
    // Setters & Getters
```

```
    }
```

Index.jsp

```
<!-- @page contentType='text/html' pageEncoding='UTF-8' -->
```

```
<!-- @taglib prefix='form' uri='http://www.springframework.org/tags/form' -->
```



```
<!doctype html>
```

```
<html>
```

```
<head>
```

```
<meta http-equiv='Content-Type' content='text/html; charset=UTF-8'>
```

```
<title>My User Form! </title>
```

```
</head>
```

```
<body>
```

```
<form: form method='post' action='myForm' commandName='myUser'>
```

```
<table>
```

```
<tr>
```

```
<td>Name: <font color='red'><form: errorx path='name' /></font></td>
```

```
</tr>
```

```
<tr>
```

```
<td><form: input path='name' /></td>
```

```
</tr>
```

```
<tr>
```

```
<td>Age: <font color='red'><form: errorx path='age' /></font></td>
```

```
</tr>
```

```
<tr>
```

```
<td><form: input path='age' /></td>
```

```
</tr>
```

```
<tr>
```

```
<td><input type='submit' value='Submit' /></td>
```

```
</tr>
```

```
</table>
```

```
</form: form>
```


</body>

</html>

Success.jsp

<%@page contentType='text/html' pageEncoding='UTF-8'%>

<%@taglib prefix='form' uri='http://www.springframework.org/tags/form'%>

<%@taglib prefix='c' uri='http://java.sun.com/jsp/jstl/core'%>

<!doctype html>

<html>

<head>

<meta http-equiv='Content-Type' content='text/html; charset=UTF-8'>

<title>Form Processed Successfully!</title>

</head>

<body>

Form processed for <c:out value='\${myUser.name}' />!

<a href='<c:url value='/' />'>Home

</body>

</html>

Home.jsp

<%@page contentType='text/html' pageEncoding='UTF-8'%>

<%@taglib prefix='c' uri='http://java.sun.com/jsp/jstl/core'%>

<!doctype html>

<html lang='en'>

<head>

<meta charset='utf-8'>


```

<title>Welcome !!! </title>
</head>
<body>
  <h1>
    Spring Form Validation !!!
  </h1>
  <a href = '<c:url value: '/myForm'/>'>Go to the form!</a>
</body>
</html>

```

MyController.java

@Controller

public class MyController {

@RequestMapping(value = '/')

public String home() {

return 'index';

}

@ModelAttribute('myUser')

public MyUser getLoginForm() {

return new MyUser();

}

@RequestMapping(value = '/myForm', method = RequestMethod.GET)

public String showForm(Map model) {

return 'myForm';

}













@RequestMapping(value = '/myForm', method = RequestMethod.POST)








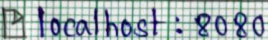





```
public String validateForm(  
    @ModelAttribute("myUser") @Valid MyUser myUser;  
    BindingResult result, Map model) {  
    if (result.hasErrors()) {  
        return "myForm";  
    }  
    model.put("myUser", myUser);  
    return "success";  
}
```

Result:-

Thus the program to develop a Spring MVC application. The application that handle Form validation, file upload, session tracking has been executed successfully.

Output:-

							
							
							
Name :		<input type="text"/>					
Age:		<input type="text"/>					
<input type="submit" value="Submit"/>							

							
							
							
							
Name:		<input type="text" value="N"/>		Size must be between 2 and 30			
Age:		<input type="text" value="15"/>		must be greater than or equal to 18			
<input type="submit" value="Submit"/>							