

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

Algo:-

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 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
```

```
3
```

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:errors path='name' /></font></td>
</tr>
<tr>
<td> <form:input path='name' /> </td>
</tr>
<tr>
<td> Age: <font color='red'><form:errors 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}'/>!<br/>
    <a href='<c:url value='/' />'>Home</a>
</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';  
}
```

3

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:-

○ ○ ○      ↵ localhost : 8080      X \ ↴

← → C ⌂      [ ] localhost : 8080      ☆ [ ]

Name :

Age :

Submit

○ localhost : 8080      X \ ↴

← → C ⌂ [ ] localhost : 8080      ☆ [ ]

Name :  N      size must be between 2 and 30

Age :  15      must be greater than or equal to  
18

Submit