Spring Web MVC + AJAX

Integrate jQuery AJAX to allow submit a form via AJAX in Spring Web MVC





General Information

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Version control

Date	Version	Author	Description
23.08.16	1.0.0	Phat H. Vu	Documentation initialization

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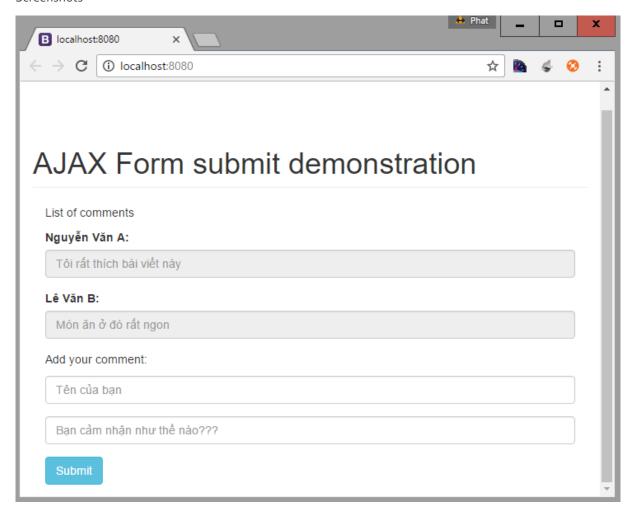
1 Objectives

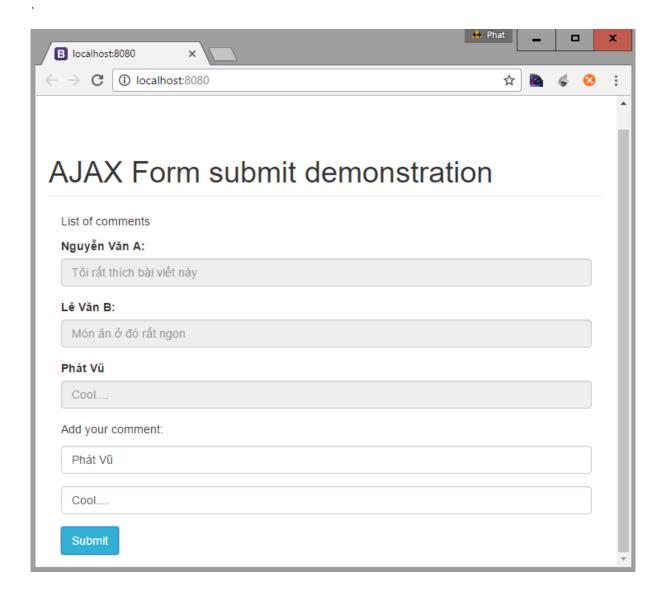
In web programming, AJAX is one of the popular techniques. AJAX helps updating a web page without reloading the page or sending data to a server in the background.

Some references: http://www.w3schools.com/ajax/, http://api.jquery.com/jquery.ajax/

In this demonstration, we'll build a sample Spring Web MVC integrated with AJAX + Jquery. This sample allows users to submit a new comment, and then append this comment to a list comment without reloading the page.

Screenshots





2 Project structure

```
spring-web-jquery-ajax (D:\projects\Spring-Core\spring-web-jqu
▶ 🗀 .idea
▼ 🗀 src
   ▼ 🗀 main
      ▼ 🖿 java
         ▼ com.ivt.demo.jqueryajax
               Comment

☐ ⅙ HomeController

         resources
      ▼ i webapp
         ▼ 🖿 resources
            ▼ 🗀 js
                   📠 ajax.js
         ▼ 🖿 WEB-INF
            ▼ 🗀 jsp
                   header.jsp
                   index.jsp
                💁 spring-servlet.xml
                🔀 web.xml
   ▶ □ test
▶ □ target
   m pom.xml
   🗾 spring-web-jquery-ajax.iml
III External Libraries
```

3 Source code

com.ivt.demo.jqueryajax.Comment.java:

```
package com.ivt.demo.jqueryajax;

public class Comment {
    private String username;
    private String content;

    public Comment() {
        }

        public Comment (String username, String content) {
            this.username = username;
            this.content = content;
        }
        // getters & setters
}
```

com.ivt.demo.jqueryajax.HomeController.java:

```
package com.ivt.demo.jqueryajax;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.*;
@Controller
```

```
@RequestMapping(value = "/")
public class HomeController {
    @RequestMapping(method = RequestMethod.GET)
    public String showMap(Model model) {
        model.addAttribute("comment", new Comment());
        return "index";
    }

    @RequestMapping(method = RequestMethod.POST, value = "/comment/submit",
produces = "text/plain;charset=UTF-8")
    @ResponseBody
    public String submitComment(@RequestBody String body) {
        String[] commentArr = body.split(",");
        Comment comment = new Comment(commentArr[0], commentArr[1]);
        // save comment to DB
        return comment.getUsername() + "||" + comment.getContent();
    }
}
```

src\main\webapp\WEB-INF\web.xml :

src\main\webapp\WEB-INF\spring-servlet.xml:

src\main\webapp\WEB-INF\jsp\header.jsp:

src\main\webapp\WEB-INF\jsp\index.jsp:

src\main\webapp\resources\js\ajax.js:

pom.xml: