



AJAX (Asynchronous JavaScript and XML).

1. Implement a registration form where the user needs to enter his/her unique username, password, first name & last name. All of these values should be entered by the user before submitting the form. The "required" attribute can be used to specify that an input field must be filled out before submitting the form, such as `<input type="text" name="uname" required>`. When the user enters his/her username, s/he should see whether the username is can be chosen or not before submitting the form. The "onfocusout" event can be used for the input field of the username. You should download an SQLite database file (users3.db) from ODTU-CLASS which includes the following **user** table. **Note:** You do not implement the part for adding a record to the table.

| username | password | firstname | lastname |
|--------------|----------|-----------|----------|
| mtaylor | m134 | Taylor | Moore |
| alex.holland | h456 | Alex | Holland |
| johnson | j789 | Lauren | Johnson |

2. Write a web application which lists the popular books in a particular bookstore. The popular books are stored in the XML file as follows:

bookstore.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<bookstore>

  <book category="cooking">
    <title lang="en">Everyday Italian</title>
    <author>Giada De Laurentiis</author>
    <year>2005</year>
    <price>30.00</price>
  </book>

  <book category="children">
    <title lang="en">Harry Potter</title>
    <author>J K. Rowling</author>
    <year>2005</year>
    <price>29.99</price>
  </book>

  <book category="web">
    <title lang="en">XQuery Kick Start</title>
    <author>James McGovern</author>
    <author>Per Bothner</author>
    <author>Kurt Cagle</author>
    <author>James Linn</author>
    <author>Vaidyanathan Nagarajan</author>
    <year>2003</year>
    <price>49.99</price>
  </book>

</bookstore>
```

This application will have a button called "List or update popular book". When this button is clicked, a request will be sent to the server, and the title of the popular books will be listed along with their categories and prices.