

List of Hands-On/Mini Projects For TalentNext

Mile -3

HTML and JavaScript

Duration: 60 Minutes

1. Design login page, validate password with regular expressions.
 - a. Password can't be less than 6 characters.
 - b. Password should not be empty.
 - c. Must contain at least one number and one upper case.

Note: The above exercise has to be executed in HTML4.

For Example:

Login Page

Enter User Name:

Enter Pass Word:

[New User](#)

2. Design Registration form with the following fields as mentioned.
 - UserID
 - Password
 - DOB (Calendar)
 - Gender (radio)
 - State (drop down)
 - Contact Number (input type="number")
 - Address (text area)

Validations:

- UserID : Should contain min of 4 and max of 8 characters.
- Password: Password can't be less than 6 characters, Password should not be empty, Must contain at least one number and one upper case.
- DOB: Should be less than today's date.
- Contact Number : Should be exactly equal to 10 digits only.

Note: The above exercise has to used HTML5.

For Example:-

Registration Form

User Id :

Password

Date Of birth :

mm / dd / yyyy

Gender:

☐ Male ☐ Female

State :

Karnataka ▼

Contact number:

Address:

submit

reset

Servlets and JSP

Duration: 90 Minutes

Create a Servlet/JSP application with a facility to

- (1) Login to the application
- (2) Register a new user and
- (3) Change password for an existing user

A HTML page with a facility to Login and a hyperlink for New User registration to be created.

When a user enters user name and password and clicks on Login button, If the credentials are valid then user has to be redirected to the home page displaying “Welcome : <userid>” with a hyperlink for changing password.

Home Page

Welcome to James [Change Password](#)

If the credentials are invalid it must display the login form again with an appropriate error message.

When user click on ‘Registration’ link, a form which we have created in previous exercise can be used.

When user click the add button, validate the password and type password at the client side and submit this information to Login servlet that stores the user name and password in the database and redirects the user to the Login page.

When user selects “Change password” link from home page, he/she should be asked to enter old password, new password and confirm password.

The application should validate the credentials and new password and confirm password should be same. If all the above conditions are met, then the corresponding user’s password should be updated in the database.

Note: Please use the existing login and registration pages which we have created in exercise 1 and 2 for completing this task.