

Second Year Computing

Web Programming and Databases

Lab Sheet 3

Completion Date: Friday 19/11/2021

Please save your files for this exercise sheet on your M : \WebDev\Your name folder in a subfolder called Lab3.

Task 1

Type in the following code to present the user with a form to fill in student details:

```
<!DOCTYPE html>
<html>
<head>

<title>Form Demo - Task 1</title>

</head>

<body>
<form>
    <h2>Student Form</h2>
    <div class="inputbox">
        <label for="Firstname">First Name:</label>
        <input type="text" name="firstname" id="Firstname" />
    </div>
    <div class="inputbox">
        <label for="surname">Surname:</label>
        <input type="text" name="surname" id="surname" />
    </div>

    <div class="radiobox">
        <label>Registered?</label><br/>
        <input type="radio" name="registered" id="registered" value="Regy" />
        <label for="registered">Registered</label><br/>
        <input type="radio" name="registered" id="notregistered" value="Regn"/>
        <label for="notregistered">Not Registered</label><br/>
    </div>

    <div class="dropdown">
        Select Year:
        <select name="schoolyear">
            <option value="firstYear">First Year</option>
            <option value="secondYear">Second Year</option>
            <option value="thirdYear">Third Year</option>
            <option value="fourthYear">Final Year</option>
        </select>
    </div>
</form>
</body>
</html>
```

```

]   <div class="checkbox1">
    Select the course(s) taken:
]   <div class="courses">
    <input type="checkbox" name="course" id="C1" value="Deg in Soft Eng">
    <label for="C1">Degree in Software Engineering</label>
]   <div class="courses">
    <input type="checkbox" name="course" id="C2" value="Deg in IT Mgt">
    <label for="C2">Degree in IT Management</label>
]   <div class="courses">
    <input type="checkbox" name="course" id="C3" value="Deg in Cyber">
    <label for="C3">Degree in Cyber Security</label>
    </div>
]   <div class="courses">
    <input type="checkbox" name="course" id="C4" value="Deg in Comp Science">
    <label for="C4">Degree in Computer Science</label>
    </div>
]   <div>
    ...
]   <div class="myButton">
    <input type="submit" value="Send Form" name="submit"/><br><br>
    <input type="reset" value="Clear Form" name="reset"/>
  </div>
</form>
</body>
</html>

```

Add comments etc. as necessary.

Save your file as `task1.html` in Lab3 folder. Run in your browser.

Task 2

Using an external style sheet and any other html mark-up that you need, style the form from *task1* to make it more professional looking, easier to use, prettier!!

Save your files as *task2.html* and *task2.css* in the lab3 folder.

Please show your form to the lab supervisor and get their opinion on it. We will take note of each student reaching this stage and of the quality of the form.

Ensure that you understand any CSS and html that you are using. You may asked to explain the code.

Task 3

Modify the previous file (*task 2*) to add in fields and labels to allow the user to enter:

An email address, that is required

A website address in the correct format

A date of birth

Use *placeholder* to indicate to the user the type of input necessary in a field.

Use *title* to enhance the message that appears if the field input is in error.

Ensure that these additions are styled appropriately.

Save your files as *task3.html* and *task3.css* in the Lab3 folder.

Task 4

Create a form that the user can use to enter details from a customer.

Include the customer's

- Name
- Address
- phone number
- email address
- website address
- date of birth
- current customer (radio buttons, yes or no)
- number of children in household (0 to 10!)
- satisfaction rating with company (0 to 10) with slider
- checkbox for whether or not customer has certain electrical appliances (4)

Separate both groups of information using fieldset and legend – *Personal Information* and *Other*.

https://www.w3schools.com/tags/tag_fieldset.asp

Note: Use input types of text, url, email, radio, checkbox, date, range etc..

Use *placeholders* where useful, *titles* to have more useful messages and all appropriate fields are *required*. Ensure that the focus starts on the customer name.

Use a linked style sheet to give your form a nice, useable appearance.

Save your files as *task4.html* and *task4.css* in the Lab3 folder.

Show your work to the lab supervisor.

Following is a draft of the form without the CSS

Customer Form

Personal Details

First Name:

Surname:

Phone

Email

Website

Date of Birth

dd/mm/yyyy

Current Customer

☐ Current

☐ Not current

Other Details

Number of Children

Satisfaction Rating with company

Have you got the following?

☐ Electric Cooker

☐ Electric Washing Machine

☐ Tumble Dryer

☐ Steam Iron

Send Form

Clear Form